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Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

31 December 1986

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31 December 1986

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HIGHLIGHTS

RESERVES	1986	1985	Change
Conventional crude oil			
Remaining established (10^6 m^3)	635	648	– 13
Initial established (10^6 m^3)	2 162	2 123	+39
Synthetic crude oil (Developed)[a]			
Remaining established (10^6 m^3)	419	226	+193
Initial established (10^6 m^3)	515	310	+205
Crude Bitumen Marketed Unprocessed (Developed)			
Remaining established (10^6 m^3)	51.5	62.5	–11.0
Initial established (10^6 m^3)	65.9	72.2	– 6.3
Natural gas[b]			
Remaining established			
Volume (10^{12} m^3)	1.72	1.77	–0.05
Energy (10^{18} J)	66.96	68.81	–1.85
Initial established			
Volume (10^{12} m^3)	3.03	3.00	+0.03
Energy (10^{18} J)	117.82	116.94	+0.88

PRODUCTION

Conventional crude oil (10^6 m^3)	53.2	56.0	–2.8
Synthetic crude oil (10^6 m^3)	14.0	7.0	+7.0
Crude Bitumen marketed unprocessed (10^6 m^3)	4.7	3.1	+1.6
Natural gas[c]			
Volumes (10^9 m^3)	69.9	72.8	–2.9

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[a] Reserves associated with commercial oil sands mining projects.

[b] Volumes are on an actual heating value basis.

[c] The official net production of natural gas is reported in ERCB ST 87-17 (see Chapter 4, section 4.9 of this report).

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PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; it includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1986. The information in Tables 2-4 and 4-5 and more detailed information on the reserves of gas pools are available on magnetic tape. The gas-reserve details will also be available in a 5-volume report in photoreduced form (ERCB ST 87-35).

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

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5, 6, and 7	H. L. Longworth, Gas	297-8502

The Board gratefully acknowledges the work of these staff members and many others in preparing this report.

1 TERMINOLOGY

1.1 SI UNITS

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius) = 35.493 73 cubic feet (14.65 psia and 60° Fahrenheit)

1 cubic metre of ethane (equilibrium pressure and 15° Celsius) = 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of ethane gas (101.325 kilopascals and 15° Celsius) = 0.003 55 cubic metres of ethane liquid

1 cubic metre of butanes (equilibrium pressure and 15° Celsius) = 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of propane (equilibrium pressure and 15° Celsius) = 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius) = 6.292 9 Canadian barrels (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of water (equilibrium pressure and 15° Celsius) = 6.290 1 Canadian barrels (equilibrium pressure and 60° Fahrenheit)

1 tonne = 0.984 206 4 (U.K.) long tons (2240 pounds)

1 tonne = 1.102 311 short tons (2000 pounds)

1 kilojoule = 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°-61° Fahrenheit))

1.2 RESERVES TERMINOLOGY

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

1. **Initial Volume in Place:** The gross volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.
2. **Established Reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.
3. **Initial Established Reserves:** Established reserves prior to the deduction of any production.
4. **Remaining Established Reserves:** Initial established reserves less cumulative production.
5. **Ultimate Potential:** An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

Ultimate potential = initial established reserves
+ additions to existing pools
+ future discoveries.

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 DEFINITIONS OF OTHER TERMS

Area	The area used to determine the bulk rock volume of the oil-, crude bitumen-, or gas-bearing reservoir, usually the area of the zero isopach or the assigned area of a pool or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus. (Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors to correct for acid gases.
Condensate	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(d.1))
Crude Bitumen	A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well. (Oil Sands Conservation Act, section 1(1)(c))
Crude Oil (Conventional)	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(f.1))
Crude Oil (Heavy)	Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m^3 or more, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. (Oil and Gas Conservation Regulations 10.030)
Crude Oil (Light-medium)	Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m^3, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. The light-medium classification is synonymous with the light classification referred to in ERCB Report 85-A, Alberta Oil Supply, 1985-2010.
Crude Oil (Synthetic)	A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived. (Oil and Gas Conservation Act, section 1(1)(t.1))

Density	The mass or amount of matter per unit volume.
Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which the well which discovered the oil or gas pool finished drilling.
Ethane	In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane. (Oil and Gas Conservation Act, section 1(1)(h.1))
Gas	Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(j.1))
Gas (Associated)	Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.
Gas (Marketable)	A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material. (Oil and Gas Conservation Act, section 1(1)(m))
Gas (Marketable) (at 101.325 kPa and 15°C)	The equivalent volume of marketable gas at standard conditions.
Gas (Non-associated)	Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.
Gas (Raw)	A mixture containing methane, other paraffinic hydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(s.1))
Gas (Solution)	Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.
Gas-Oil Ratio (Initial Solution)	The volume of gas—in cubic metres, measured under standard conditions—contained in one stock-tank cubic metre of oil under initial reservoir conditions.
Good Production Practice (GPP)	Production of crude oil or raw gas at a rate (i) not governed by a base allowable, but (ii) limited to what can be produced without adversely and significantly affecting conservation, the prevention of waste, or the opportunity of each owner in the pool to obtain his share of production. (Oil and Gas Conservation Regulation 1.020(2)9) This practice is authorized by the Board either to improve the economics of production from a pool and thus defer its abandonment, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.
Gross Heating Value	The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.

Helium	In addition to its normal scientific meaning, a mixture mainly of helium which ordinarily may contain some nitrogen and methane. (Oil and Gas Conservation Act, section 1(1)(k))
Maximum Efficient Rate (MER)	The maximum efficient rate at which oil can be produced without causing avoidable underground waste.
Maximum Rate Limitation (MRL)	The maximum rate of production prescribed for the avoidance of waste, after application of any applicable penalty factor.
Mean Formational Depth	The approximate average depth below kelly bushing of the mid-point of an oil or gas productive zone for the wells in a pool.
Methane	In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide. (Oil and Gas Conservation Act, section 1(1)(m.1))
Natural Gas Liquids	Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(n))
Oil	Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(n.1))
Oil Sands	(i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii). (Oil Sands Conservation Act, section 1(1)(n))
Oil Sands Deposit	A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(o.1))
Pay Thickness (Average)	The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by its area.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil. (Oil and Gas Conservation Act, section 1(1)(p))
Pool	A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(q))
Porosity	The effective pore space of the rock volume determined from core analysis and well log data, measured as a fraction of rock volume.
Pressure (Initial)	The reservoir pressure at the reference elevation of a pool upon discovery.
Propane	In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes. (Oil and Gas Conservation Act, section 1(1)(s))

Recovery (Enhanced)	Recovery of oil, gas, or natural gas liquids by the implementation of an artificially improved depletion process over a part or the whole of a pool, measured as a volume or fraction; the additional oil, gas, or natural gas liquids so recovered. (Oil and Gas Conservation Act, section 1(1)(h))
Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only, measured as a volume so recovered or a fraction of the in-place oil.
Saturation (Gas)	A measure of the fraction of pore space in the rock occupied by gas upon discovery.
Saturation (Water)	A measure of the fraction of pore space in the rock occupied by water upon discovery.
Shrinkage Factor	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, divided by the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	The fraction of recoverable gas that is removed as acid gas and liquid hydrocarbons and used as lease or plant fuel, or flared.
Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone. (Oil and Gas Conservation Act, section 1(1)(z))

1.4 STANDARD CONDITIONS OF GAS MEASUREMENT

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 SYMBOLS

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius	M	mega
d	day	m	metre
ha	hectare	mol	mole
J	joule	T	tera
kg	kilogram	t	tonne
kPa	kilopascal		

Imperial

bbl	barrel	psia	pounds per square inch absolute
Btu	British thermal unit	psig	pounds per square inch gauge
cf	cubic foot	RF	recovery factor
d	day	stb	stock-tank barrel
°F	degree Fahrenheit		

1.6 ABBREVIATIONS

General Report

GIP	gas in place
GPP	good production practice
MER	maximum efficient rate
MRL	maximum rate limitation
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ASSOC	associated gas
ADMIN 2	Administrative Area No. 2
BER	beyond economic reach
BLAIR	Blairmore
BLSKY	Bluesky
BOW ISL or BI	Bow Island
BR	Belly River
BSL COLO	Basal Colorado
BSL MANN or BMNV	Basal Mannville
BSL QTZ	Basal Quartz
CARD	Cardium
CDN	Cadomin
CLWTR	Clearwater
CLY	Colony
CMRS	Camrose
COMP	compressibility
DBLT	Debolt
DETR	Detritial
DISC YEAR	discovery year
ELK	Elkton
ELRSL	Ellerslie
ERSO	enhanced-recovery scheme is in operation but no additional established reserves are attributed
FALH	Falher
FRAC	fraction
GEN PETE	General Petroleum
GETH	Gething
GLAUC	Glauconitic
GOR	gas-oil ratio
GRD RAP	Grand Rapids
GROSS HEAT VALUE	gross heating value
INJ	injected
I.S.	integrated scheme
JUR or J	Jurassic
KEY	Keystone
KISK	Kiskatinaw
KR	Keg River
L	lower

LLOYD	Lloydminster
LF	load factor
LMNV or LM	Lower Mannville
LOC EX PROJECT	local experimental project
LOC U	local utility
M	middle
MANN or MN	Mannville
MCM	McMurray
MED HAT	Medicine Hat
MILK RIV	Milk River
MOP	maximum operating pressure
MSKG	Muskeg
NGL	natural gas liquids
NIS	Nisku
NO.	number
NON-ASSOC	non-associated gas
OST	Ostracod
RF	recovery factor
SA	strike area
SATN	saturation
SD	sandstone
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System—commingled
SG	gas saturation
SHUN	Shunda
SL	surface loss
SOLN	solution gas
SPKY	Sparky
ST. ED	St. Edouard
SULPT	Sulphur Point
SUSP	suspended
SW	water saturation
TEMP	temperature
TVD	true vertical depth
U	upper
UIRE	Upper Ireton
UMNV or UM	Upper Mannville
VIK or VK	Viking
VOL	volume
WAB	Wabamun
WBSK	Wabiskaw
WTR DISP	water disposal
WTR INJ	water injection
1WS	First White Specks
2WS	Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

A&S	Alberta and Southern Gas Co. Ltd.
BAROID	Baroid of Canada, Limited
BRL	Brascan Resources Limited
CANSALT	The Canadian Salt Company Limited
CFB,CL	Canadian Forces Base at Cold Lake

CIL	Canadian Industries Limited
CMG	Canadian-Montana Gas Company Limited
CTYMEDH	City of Medicine Hat
CNG	Consolidated Natural Gas Limited
CUE	Canadian Utilities Ethane Limited
CUL	Canadian Utilities Limited
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
KANNGAZ	KannGaz Producers Ltd.
MIP	Many Islands Pipe Lines Ltd.
NCO	North Canadian Oils Limited
NORCEN	Norcen Energy Resources Limited
PANALTA	Pan-Alberta Gas Ltd.
PROGAS	ProGas Limited
PRTC	Peace River Transmission Company Limited
PWGE	Plains-Western Gas & Electric Co. Ltd.
SAPL	Southern Alberta Pipe Lines Ltd.
SLPETRO	Sulpetro Limited
SOQUIP	Societe quebecoise d'initiatives petrolieres
SUNCOR	Suncor Inc.
SYNCRDE	Syncrude Canada Ltd.
TCPL	TransCanada PipeLines Limited
TUC	TransAlta Utilities Corporation
WCOAST	Westcoast Transmission Company Limited

2 RESERVES OF CONVENTIONAL CRUDE OIL

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 635 million cubic metres at year-end 1986. The net annual decrease of some 14 million cubic metres is a result of all reserve adjustments less production that occurred during 1986. The initial established reserves attributed to 1986 pool discoveries were about 13 per cent below that for 1985.

The changes in reserves for light-medium and heavy crude oil during 1986 are shown below:

	1986	1985	Change
	10^6 m^3		
Initial Established Reserves[a]			
Light-Medium	2 025.4	1 995.5	+29.9
Heavy	136.5	127.3	+ 9.2
Total	2 162.0	2 122.8	+39.1
	(13 605)[b]	(13 359)[b]	
Cumulative Production			
Light-Medium	1 440.1	1 394.1	+46.0
Heavy	87.6	80.4	+ 7.2
Total	1 527.7	1 474.5	+53.2
Remaining Established Reserves[a]			
Light-Medium	585.8	601.6	– 15.7
Heavy	48.9	46.9	+ 2.0
Total	634.7	648.5	– 13.7
	(3 994)[b]	(4 081)[b]	

---

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

The net change to initial established reserves during 1986 comprised 53.5 million cubic metres added from discoveries/additions (new pools, new waterflood projects, and additions to existing primary pools and waterflood projects), 16.3 million cubic metres added due to tertiary mechanisms (new tertiary projects and additions to existing tertiary projects), and a 30.7 million cubic metre reduction as a result of the reassessment of reserves in existing primary and enhanced recovery pools.

Listed below are those light-medium pools for which a change of more than 1 000 000 cubic metres in initial established reserves was made during 1986.

Pool	Initial Established Reserves		Main Reason for Change
	1986	Change	
	10^3m^3		
Crystal Viking A	5 493.0	– 1 198.5	Reassessment and enhanced-recovery recognition
Evi Granite Wash P	1 104.0	+ 1 104.0	New pool 1 March 1986
Golden Spike D-3 A	28 400.0	– 3 500.0	Reassessment of pool recovery factor
Innisfail D-3	12 800.0	+ 1 000.0	Reassessment of pool recovery factor
Mitsue Gilwood A	60 680.0	+ 2 165.0	Reassessment and enhanced-recovery recognition
Nipisi Gilwood A	57 000.0	+ 3 980.0	Reassessment of initial volume in place and pool recovery factor
Sawn Lake Slave Point J	2 573.0	+ 1 113.0	Reassessment of initial volume in place
Spirit River Halfway F	2 297.0	+ 1 156.6	New pool 1 March 1986
Swan Hills Beaverhill Lake A & B	111 100.0	+ 8 500.0	Reassessment and enhanced-recovery recognition
Swan Hills South Beaverhill Lake A & B	67 450.0	– 14 150.0	Reassessment of initial volume in place and pool recovery factor
Valhalla Doe Creek I	5 900.0	+ 2 545.0	Reassessment and enhanced-recovery recognition
Wembley Halfway B	4 000.0	+ 2 370.0	Reassessment of initial volume in place and pool recovery factor

Some 113 other major pools had changes in initial established reserves of between 100 000 and 1 000 000 cubic metres resulting in a net increase of 6 818 000 cubic metres in initial established reserves.

Listed below are those heavy oil pools for which a change of more than 250 000 cubic metres in initial established reserves was made during 1986.

Pool	**Initial Established Reserves**		**Main Reason for Change**
	1986	**Change**	
	10³m³		
Badger Upper Mannville B	656.0	+489.7	Reassessment and enhanced-recovery recognition
Cessford Mannville C	2 880.0	+450.0	Reassessment of initial volume in place
Cherhill Banff F	1 380.0	+985.6	Reassessment of initial volume in place
Grand Forks Lower Mannville E	1 880.0	+350.0	Reassessment of initial volume in place and pool recovery factor
Grand Forks Sawtooth T	645.0	+373.0	Reassessment of volume in place and pool recovery factor
Little Bow Upper Mannville U	425.0	+255.0	Enhanced-recovery recognition
Little Bow Upper Mannville W	450.0	+270.0	Enhanced-recovery recognition
Provost Dina N	320.0	+281.7	New pool 1 April 1986
Wainwright Wainwright B	571.0	+383.8	Reassessment of initial volume in place
Wainwright Wainwright & Sparky S	12 535.0	+591.0	Enhanced-recovery recognition
Wildmere Sparky N	540.0	+254.0	Reassessment of initial volume in place

Some 20 other major heavy oil pools had changes in initial established reserves of between 50 000 and 250 000 cubic metres resulting in a net increase of 2 157 000 cubic metres in initial established reserves.

The Board's estimates of reserves for 1986 are summarized by crude-oil types and recovery mechanisms in Table 2-1, by geological period and crude-oil type in Table 2-2, and by geological formation in Table 2-3. These historical data assist in estimating future crude-oil potential as discussed in Chapter 8.

Table 2-4, subdivided into light-medium and heavy crude oil, lists the reserves and reservoir factors to year-end 1986 for each designated non-confidential crude-oil pool in Alberta.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-4. The approximate location of each field is shown immediately following the field name in Table 2-4.

TABLE 2-1 SUMMARY OF RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS

As at 31 December 1986

Crude-Oil Type and Recovery Mechanism	1 Initial Volume in Place $10^6\ m^3$	2 Initial Primary Established Reserves $10^6\ m^3$	3 Average Primary Recovery fraction	4 Initial Enhanced Established Reserves $10^6\ m^3$	5 Average Enhanced Recovery fraction	6 Initial Total Established Reserves $10^6\ m^3$	7 Average Total Recovery fraction
Light-Medium							
Primary Depletion	3 035.7	721.5	0.24	0	0	721.2	0.24
Solvent Flood	700.2	196.9	0.29	217.5	0.31	414.4	0.59
Waterflood	2 707.2	461.4	0.17	395.1	0.15	857.0	0.32
Gas Flood	72.0	29.7	0.41	3.3	0.05	33.0	0.46
Heavy							
Primary Depletion	1 006.2	66.9	0.07	0	0	66.9	0.07
Waterflood	243.7	22.6	0.09	47.0	0.19	69.6	0.29
Total[a]	7 765.0	1 499.1	0.19[b]	662.8	0.09[b]	2 162.0	0.28[b]
	(48 865)[c]	(9 434)[c]		(4 171)[c]		(13 605)[c]	

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[a] Discrepancies are due to rounding.

[b] The estimated recovery for all pools in the province, if depleted under their natural depletion mechanism, would be 19 per cent of initial volume in place. Implementation of enhanced recovery schemes in some pools is expected to result in an increase in the average recovery factor for all pools in Alberta to 28 per cent.

[c] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-2 DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL BY GEOLOGICAL PERIOD AND CRUDE OIL TYPE

As at 31 December 1986

Geological Period	1	2	3	4	5	6	7	8	9	10	11	12
	Initial Volume In Place			Initial Established Reserves			Remaining Established Reserves			Average Recovery		
	Light-Medium Density	Heavy Density	Total	Light-Medium Density	Heavy Density	Total	Light-Medium Density	Heavy Density	Total	Light-Medium Density	Heavy Density	Total
	10^6 m^3									fraction		
Cretaceous												
Upper	1 839.1	0.1	1 839.2	343.8	0	343.8	126.2	0	126.2	0.19	0	0.19
Lower	743.8	1 122.5	1 866.3	115.6	124.2	239.8	43.6	42.3	85.9	0.16	0.11	0.13
Jurassic	70.4	26.3	96.7	17.1	4.1	21.2	7.5	1.8	9.3	0.24	0.16	0.22
Triassic	157.8	0	157.8	41.4	0	41.4	22.4	0	22.4	0.26	0	0.26
Mississippian	511.8	55.9	567.7	81.0	5.8	86.8	18.7	3.0	21.7	0.16	0.10	0.15
Devonian												
Upper	2 193.8	11.3	2 205.1	1 064.3	0.8	1 065.1	211.0	0.6	211.6	0.49	0.07	0.48
Middle	790.9	0	790.9	327.3	0	327.3	125.7	0	125.7	0.41	0	0.41
Other	207.5	33.6	241.1	34.8	1.5	36.3	30.8	1.3	32.1	0.17	0.04	0.15
Total[a]	6 515.0	1 250.0	7 765.0	2 025.4	136.5	2 162.0	585.8	48.9	634.7	0.31	0.11	0.28
	(40 998)[b]	(7 866)[b]	(48 865)[b]	(12 746)[b]	(859)[b]	(13 605)[b]	(3 686)[b]	(308)[b]	(3 994)[b]			

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-3 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL As at 31 December 1986

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Upper Cretaceous						
Belly River	158.3	28.9	14.4	2.0	1.3	2.3
Cardium	1 620.7	306.6	105.1	20.9	14.2	16.6
Miscellaneous	60.2	8.3	6.6	0.8	0.4	1.0
Subtotal	1 839.2	343.8	126.2	23.7	15.9	19.9
Lower Cretaceous						
Viking	281.9	56.9	17.0	3.6	2.6	2.7
Basal Colorado	11.8	2.7	1.0	0.2	0.1	0.2
Mannville	1 569.9	180.0	67.8	20.2	8.5	10.7
Miscellaneous	2.7	0.2	0.1	0	0	0
Subtotal	1 866.3	239.8	85.9	24.0	11.2	13.6
Jurassic						
Jurassic	59.1	13.9	5.4	0.8	0.6	0.9
Miscellaneous	37.5	7.3	3.9	0.5	0.3	0.6
Subtotal	96.7	21.2	9.3	1.3	0.9	1.5
Triassic						
Triassic	64.5	25.8	9.8	0.8	1.2	1.5
Miscellaneous	93.4	15.6	12.6	1.2	0.7	2.0
Subtotal	157.8	41.4	22.4	2.0	1.9	3.5
Mississippian						
Rundle	484.3	75.3	14.2	6.2	3.5	2.2
Miscellaneous	83.5	11.6	7.6	1.1	0.5	1.2
Subtotal	567.7	86.8	21.7	7.3	4.0	3.4
Upper Devonian						
Wabamun	29.5	4.8	2.9	0.4	0.2	0.4
Nisku	332.1	168.8	47.2	4.2	7.8	7.4
Leduc	803.5	486.2	51.6	10.3	22.5	8.1
Beaverhill Lake	944.3	386.0	96.1	12.2	17.9	15.1
Miscellaneous	95.7	19.2	13.8	1.2	0.9	2.2
Subtotal	2 205.1	1 065.1	211.6	28.3	49.3	33.2

TABLE 2-3 (continued)

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Middle Devonian						
Keg River	487.8	193.9	79.0	6.3	9.0	12.4
Miscellaneous	303.1	133.4	46.7	3.9	6.1	7.3
(Gilwood and Granite Wash)						
Subtotal	790.9	327.3	125.7	10.2	15.1	19.7
Undefined and Confidential	241.1	36.3	32.1	3.1	1.7	5.1
Total[a]	7 765.0	2 162.0	634.7	100.0	100.0	100.0
	(48 865)[b]	(13 605)[b]	(3 994)[b]			

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[a] Discrepancies in totals and subtotals are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

Table 2-4

ERCB

Reserves of Conventional Crude Oil and Basic Data

ERCB

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ACHESON 053-26W4								
BLAIRMORE A	879.0	0.14		123.0		123.0	114.3	8.7
BLAIRMORE B	318.0	<0.02		4.1		4.1	4.1	
BLAIRMORE C	238.0	0.21		50.0		50.0	47.2	2.8
BLAIRMORE F	300.0	0.25		75.0		75.0	58.1	16.9
BLAIRMORE G	130.0	0.18		23.4		23.4	17.1	6.3
BLAIRMORE H	152.0	0.07		10.6		10.6	10.6	
BLAIRMORE J	426.0	0.10		42.6		42.6	35.5	7.1
BLAIRMORE K	280.0	0.15		42.0		42.0	31.2	10.8
BLAIRMORE L	289.0	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183.0	<0.01		0.1		0.1	0.1	
BLAIRMORE V	198.0	0.12		23.8		23.8	9.2	14.6
BLAIRMORE W	79.8	<0.01		0.1		0.1		0.1
BLAIRMORE X	399.0	0.10		39.9		39.9	4.3	35.6
BLAIRMORE D&I	686.0	0.15		103.0		103.0	57.5	45.5
ELLERSLIE A	343.0	0.03		10.3		10.3	4.2	6.1
ELLERSLIE B	387.0	0.03		11.6		11.6	3.8	7.8
ELLERSLIE C	406.0	0.10		40.6		40.6	1.1	39.5
WABAMUN A	917.0	0.10		91.7		91.7	3.7	88.0
D-2 A	775.0	0.55		426.0		426.0	417.7	8.3
D-2 B	50.2	<0.39		19.3		19.3	19.3	
D-2 C	14.7	0.20		2.9		2.9	0.1	2.8
D-3 A WATER FLOOD	29 650.0	0.54	0.14	16 010.0	4 150.0	20 160.0	17 475.8	2 684.2
ACHESON EAST 052-25W4								
BLAIRMORE A	492.0	0.25		123.0		123.0	120.3	2.7
BLAIRMORE B	5 970.0	0.10		597.0		597.0	481.5	115.5
BLAIRMORE C	250.0	0.10		25.0		25.0	17.1	7.9
BLAIRMORE D	572.0	0.25		143.0		143.0	68.2	74.8
BLAIRMORE E	226.0	0.25		56.6		56.6	17.0	39.6
GLAUCONITIC A	67.6	0.10		6.8		6.8	0.3	6.5
DETRITAL A	188.0	0.03		5.6		5.6	4.3	1.3
ADEN 001-09W4								
BOW ISLAND B	221.0	0.02		4.4		4.4	1.1	3.3
AERIAL 029-18W4								
VIKING A	275.0	<0.01		0.6		0.6	0.6	
MANNVILLE TOTAL	1 480.0			177.0	95.0	272.0	220.9	51.1
PRIMARY AREA	286.0	0.12		34.3		34.3		
GAS FLOOD AREA	1 190.0	0.12	0.08	143.0	95.0	238.0		
MANNVILLE B	167.0	<0.01		0.3		0.3	0.3	
MANNVILLE C	618.0	<0.01		0.4		0.4	0.4	
MANNVILLE D	211.0	0.10		21.1		21.1		21.1
ALBRIGHT 071-09W6								
CHARLIE LAKE A	75.1	0.10		7.5		7.5	2.5	5.0
ALIX 040-23W4								
D-2	1 390.0	0.35		487.0		487.0	381.0	106.0
ALLIANCE 040-12W4								
BLAIRMORE	657.0	0.15		98.6		98.6	51.6	47.0
ALSIKE 049-02W5								
BANFF A	149.0	<0.01		0.3		0.3	0.3	
AMBER 115-07W6								
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	159.0	<0.21		32.5		32.5	32.5	
MUSKEG C	129.0	0.30		38.7		38.7	6.4	32.3
MUSKEG D	410.0	0.25		103.0		103.0	3.0	100.0
MUSKEG E	200.0	0.25		50.0		50.0	3.3	46.7
MUSKEG F	210.0	0.10		21.0		21.0	3.7	17.3
KEG RIVER A	365.0	0.12		43.8		43.8	32.9	10.9
KEG RIVER B	540.0	<0.06		27.9		27.9	27.9	
KEG RIVER C	255.0	0.30		76.5		76.5	20.1	56.4
KEG RIVER E	330.0	0.25		82.5		82.5	40.5	42.0
KEG RIVER F	222.0	<0.23		50.7		50.7	50.7	
KEG RIVER G	200.0	0.25		50.0		50.0	42.9	7.1
KEG RIVER I	115.0	<0.05		4.8		4.8	4.8	
KEG RIVER J	466.0	<0.01		0.2		0.2	0.2	
KEG RIVER P	300.0	0.30		90.0		90.0	17.4	72.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
323	1.86	0.220	0.18	0.81	83	839	54	9 270	1 234.4	1952	81 12 - GPP
150	1.95	0.175	0.27	0.85	81	834	54	9 380	1 265.2	1954	64 04 - SUSP 60 04
57	3.64	0.187	0.27	0.84	82	834	56	9 480	1 270.4	1954	84 07 - GPP
115	2.24	0.180	0.23	0.84	81	855	52	9 380	1 276.8	1962	83 06
32	3.39	0.185	0.23	0.84	80	855	53	9 270	1 248.2	1963	86 12 - GPP
64	1.84	0.214	0.25	0.80	53	855	54	9 380	1 235.0	1950	77 12 - SUSP 81 10
65	6.10	0.180	0.25	0.80	84	839	52	9 410	1 231.4	1966	75 12
62	4.79	0.150	0.25	0.84	76	855	54	10 330	1 253.8	1969	85 12
129	1.74	0.214	0.25	0.80	53	855	54	9 380	1 203.7	1950	74 12 - ABAND 74 06
64	3.50	0.170	0.40	0.80	77	840	51	8 912	1 214.3	1980	83 12 - SUSP 81 02
32	5.30	0.190	0.27	0.84	60	867	55	8 983	1 274.2	1983	84 03
64	1.50	0.180	0.45	0.84	58	877	56	9 073	1 245.9	1951	84 08 - SUSP 83 11
64	5.50	0.180	0.25	0.84	68	853	56	9 092	1 245.8	1951	84 10
244	3.00	0.180	0.38	0.84	81	839	49	9 200	1 238.8	1966	86 12 - GPP
64	4.80	0.190	0.30	0.84	57	840	54	9 420	1 275.6	1962	85 12 - GPP
64	5.00	0.210	0.28	0.80	70	835	72	9 119	1 239.3	1982	85 12
64	6.00	0.220	0.40	0.80	68	845	72	8 952	1 235.0	1981	83 05 - SUSP 85 01
64	28.80	0.090	0.35	0.85	60	885	42	7 855	1 314.0	1982	82 06 - SUSP 83 05
486	8.17	0.034	0.30	0.82	64	834	57	10 900	1 397.5	1952	83 12 - GPP
65	6.10	0.024	0.36	0.83	64	834	56	10 900	1 419.8	1952	64 04 - ABAND 71 09
64	1.00	0.040	0.30	0.82	66	834	58	8 000	1 434.6	1985	86 03 - SUSP 86 01
1 542	24.12	0.114	0.08	0.76	90	834	60	11 930	1 547.8	1950	86 09
84	5.51	0.182	0.27	0.80	74	839	52	9 200	1 208.5	1953	83 12 - GPP
1 236	4.79	0.180	0.30	0.80	74	839	52	9 310	1 239.0	1957	83 09 - GPP
64	4.00	0.190	0.35	0.80	74	857	52	8 826	1 235.8	1981	83 09 - GPP
132	4.04	0.200	0.33	0.80	71	845	51	9 218	1 238.7	1958	85 09 - GPP
32	6.80	0.200	0.35	0.80	56	854	50	8 619	1 260.8	1983	85 12 - GPP
16	3.60	0.170	0.25	0.92	26	945	50	9 011	1 155.8	1965	84 11
64	3.00	0.210	0.45	0.85	60	857	49	9 305	1 279.5	1980	85 12 - SUSP 86 04
128	1.39	0.230	0.40	0.90	21	839	32	4 480	637.9	1967	85 06 - SUSP 85 04
64	5.10	0.150	0.25	0.75	125	832	43	8 660	1 116.5	1979	83 12 - SUSP 80 08
391					78	849	48	9 930	1 283.5	1958	83 07
81	2.42	0.223	0.20	0.82							
310	2.62	0.223	0.20	0.82							- GPP - MRL
64	4.90	0.130	0.50	0.82	73	867	47	9 731	1 297.5	1979	84 12 - SUSP 81 11
64	11.00	0.150	0.22	0.75	112	854	43	9 350	1 323.5	1979	83 12 - SUSP 81 10
64	3.90	0.172	0.40	0.82	78	850	24	7 345	1 293.3	1980	83 12
64	1.90	0.090	0.12	0.78	76	832	73	15 569	2 344.4	1983	84 05
966	4.39	0.057	0.19	0.71	152	825	59	16 620	1 823.9	1956	84 12 - GPP
137	3.21	0.250	0.35	0.92	29	898	35	6 620	961.9	1951	86 12 - GPP
64	3.50	0.120	0.35	0.85	77	900	64	15 960	1 548.5	1980	83 12 - SUSP 81 10
2	14.72	0.060	0.15	0.80	73	844	72	15 100	1 506.9	1968	71 05 - SUSP 70 03
17	22.74	0.065	0.15	0.76	95	834	70	15 380	1 565.1	1968	83 12 - SUSP 81 11
64	10.50	0.030	0.20	0.80	64	800	82	14 623	1 577.3	1982	83 01
64	12.70	0.070	0.10	0.80	86	846	70	12 072	1 521.8	1983	84 08
64	5.00	0.085	0.08	0.80	68	856	78	13 109	1 535.1	1985	85 05 - SUSP 86 07
64	5.40	0.090	0.10	0.75	139	820	72	12 064	1 520.3	1984	86 09
19	43.10	0.070	0.15	0.75	110	825	72	15 510	1 566.1	1968	81 12
38	37.95	0.060	0.17	0.75	111	825	72	15 560	1 566.4	1968	79 04 - SUSP 78 06
12	36.79	0.093	0.15	0.73	127	40	76	15 583	1 581.6	1968	85 04
28	39.00	0.070	0.40	0.72	125	825	76	15 650	1 580.1	1968	84 11
14	26.35	0.097	0.15	0.73	126	829	67	15 450	1 575.8	1968	70 02 - SUSP 84 05
14	27.00	0.090	0.15	0.68	157	820	72	15 220	1 557.8	1969	81 10 - SUSP 86 06
16	24.23	0.052	0.25	0.77	152	820	72	15 040	1 549.0	1969	78 12 - GPP
15	40.23	0.120	0.15	0.74	110	829	77	15 170	1 578.6	1969	71 01 - SUSP 70 10
25	18.30	0.100	0.10	0.72	128	820	76	15 461	1 605.0	1982	85 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
AMBER 115-07W6 (CONTINUED)								
KEG RIVER Q	295.0	0.40		118.0		118.0	42.1	75.9
KEG RIVER R	300.0	0.30		90.0		90.0	25.6	64.4
KEG RIVER S	300.0	0.30		90.0		90.0	12.2	77.8
KEG RIVER T	518.0	0.25		130.0		130.0	17.7	112.3
KEG RIVER U	797.0	0.25		199.0		199.0	15.5	183.5
KEG RIVER V	600.0	0.20		120.0		120.0	8.1	111.9
KEG RIVER W	992.0	0.25		248.0		248.0		248.0
AMIGO 120-08W6								
MUSKEG A	104.0	0.30		31.2		31.2	0.9	30.3
KEG RIVER A	100.0	0.12		12.0		12.0	11.9	0.1
KEG RIVER B	600.0	0.40		240.0		240.0	124.8	115.2
KEG RIVER C	184.0	0.40		73.6		73.6	30.4	43.2
KEG RIVER D	1 330.0	<0.03		39.5		39.5	39.5	
KEG RIVER E	100.0	0.30		30.0		30.0	8.9	21.1
KEG RIVER F	334.0	0.25		83.5		83.5	7.9	75.6
KEG RIVER G	276.0	0.35		96.6		96.6	10.6	86.0
KEG RIVER H	320.0	0.30		96.0		96.0	6.5	89.5
KEG RIVER I	70.0	0.16		11.3		11.3	11.3	
ANTE CREEK 065-24W5								
DUNVEGAN A	288.0	<0.01		0.7		0.7	0.7	
BEAVERHILL LAKE SOLVENT FLOOD	5 930.0	0.16	0.44	949.0	2 610.0	3 560.0	1 846.4	1 713.6
BEAVERHILL LAKE B	1 670.0	0.35		585.0		585.0	418.1	166.9
GILWOOD A	46.1	<0.01		0.2		0.2		0.2
ARMADA 017-19W4								
UPPER MANNVILLE A	724.0	0.10		72.4		72.4	11.8	60.6
BASAL QUARTZ G	107.0	0.10		10.7		10.7		10.7
ARMISIE 052-25W4								
BLAIRMORE	2 170.0	0.15		326.0		326.0	271.3	54.7
ASTOTIN 054-18W4								
VIKING D	109.0	0.10		10.9		10.9	0.4	10.5
VIKING H	194.0	0.03		5.8		5.8	2.3	3.5
VIKING I	187.0	0.10		18.7		18.7	0.2	18.5
BADGER 016-18W4								
UPPER MANNVILLE A	103.0	<0.01		0.4		0.4	0.4	
BARONS 012-23W4								
COLORADO	280.0	<0.30		83.1		83.1	83.1	
BOW ISLAND A	64.8	<0.01		0.2		0.2	0.2	
BASHAW 041-23W4								
BASAL MANNVILLE J	146.0	<0.01		1.3		1.3	1.3	
D-2 A	992.0	<0.03		22.0		22.0	20.6	1.4
D-2 B	1 400.0	0.35		490.0		490.0	83.0	407.0
IRETON A	416.0	0.07		29.1		29.1	23.7	5.4
D-3 A	1 600.0	0.35		560.0		560.0	459.4	100.6
D-3 B	264.0	0.10		26.4		26.4	21.5	4.9
D-3 C	160.0	<0.01		0.1		0.1	0.1	
BASSANO 021-18W4								
OSTRACOD A	136.0	0.10		13.6		13.6	1.0	12.6
BATTLE 046-20W4								
VIKING	824.0	0.25		206.0		206.0	165.6	40.4
BATTLE NORTH 046-20W4								
VIKING	242.0	0.28		67.7		67.7	63.8	3.9
BATTLE SOUTH 045-20W4								
VIKING	937.0	0.30		281.0		281.0	196.2	84.8
BEATON 087-02W6								
WABAMUN A	102.0	0.10		10.2		10.2	2.5	7.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
33	21.00	0.070	0.23	0.78	93	826	73	15 196	1 567.5	1982	85 04
19	23.60	0.100	0.13	0.77	93	829	73	15 433	1 588.3	1984	85 04
30	35.07	0.060	0.34	0.72	127	800	76	15 555	1 580.8	1983	86 06
64	12.00	0.100	0.10	0.75	138	806	71	15 124	1 599.0	1984	85 03
64	21.20	0.089	0.12	0.75	115	834	67	15 244	1 564.4	1984	85 03
24	42.00	0.095	0.13	0.72	127	810	76	15 583	1 564.3	1985	86 07
64	38.00	0.068	0.20	0.75	107	820	83	14 940	1 589.0	1985	86 06
64	3.50	0.080	0.13	0.67	155	808	83	15 350	1 787.0	1983	83 02 - SUSP 86 06
6	55.10	0.054	0.20	0.70	130	833	83	15 829	1 814.3	1981	86 09 - SUSP 86 06
13	96.96	0.080	0.15	0.70	135	804	74	15 322	1 756.0	1979	86 06
6	58.17	0.080	0.11	0.74	118	850	71	16 104	1 725.0	1982	85 05
64	60.13	0.060	0.20	0.72				15 272	1 794.0	1970	79 12 - SUSP 79 02
9	36.00	0.060	0.25	0.65	160	814	78	15 478	1 804.0	1982	83 06 - SUSP 85 11
19	32.11	0.100	0.13	0.63	170	826	71	16 119	1 746.0	1982	86 06
29	32.79	0.060	0.18	0.41	233	803	81	16 766	1 803.4	1983	86 06
10	52.30	0.096	0.09	0.70	100	816	77	15 490	1 786.5	1985	86 06
5	20.80	0.010	0.20	0.70	233	803	81	14 382	1 852.0	1982	86 09
64	4.61	0.181	0.35	0.83	62	834	59	10 340	1 365.8	1974	74 12 - ABAND 79 02
3 633	6.92	0.063	0.22	0.48	342	806	110	35 580	3 434.8	1963	64 04
1 540	3.90	0.057	0.25	0.65	166	820	103	37 605	3 391.5	1966	71 02
65	2.44	0.090	0.35	0.50	35	806	127	34 820	3 397.9	1965	65 05 - SUSP 66 02
64	7.90	0.208	0.19	0.85	62	896	45	11 718	1 196.3	1980	81 03
64	2.00	0.160	0.40	0.87	60	871	36	12 308	1 213.4	1984	85 06
407	4.76	0.180	0.25	0.83	79	834	49	9 520	1 238.1	1951	81 12 - GPP
64	1.50	0.210	0.40	0.90	41	864	23	4 554	683.3	1981	84 11 - GPP
64	2.20	0.250	0.40	0.92	30	846	28	5 181	687.6	1983	86 12
64	2.20	0.240	0.40	0.92	30	846	28	5 570	681.0	1984	84 11 - SUSP 86 02
65	1.22	0.230	0.35	0.87	51	881	54	12 250	1 125.9	1974	76 04 - SUSP 76 06
221	0.82	0.227	0.20	0.85	51	855	37	9 380	1 253.6	1950	75 12 - ABAND 85 10
65	1.52	0.140	0.50	0.94	23	855	34	5 000	1 307.9	1973	74 12 - ABAND 76 09
64	2.70	0.170	0.40	0.83	76	844	42	10 590	1 478.7	1978	85 12 - SUSP 83 12
903	4.82	0.037	0.20	0.77	93	844	57	16 270	1 715.1	1962	83 12 - GPP
256	7.78	0.110	0.17	0.77	88	830	62	12 856	1 800.2	1973	85 10
65	15.54	0.074	0.30	0.80	76	910	51	16 270	1 717.2	1963	84 12 - GPP
1 375	3.05	0.067	0.15	0.67	163	825	58	16 070	1 756.6	1951	84 12 - GPP
130	4.72	0.077	0.20	0.70	142	829	58	15 270	1 746.5	1966	83 12 - GPP
64	4.00	0.110	0.15	0.67	163	827	58	16 065	1 709.5	1985	85 09 - SUSP 86 01
64	1.80	0.210	0.34	0.85	68	883	31	9 564	1 179.1	1984	84 11 - SUSP 85 08
574	1.82	0.146	0.40	0.90	35	839	37	5 690	983.9	1953	83 12 - GPP
258	1.16	0.150	0.40	0.90	35	839	37	5 690	990.3	1954	64 04 - GPP
451	2.53	0.152	0.40	0.90	35	839	37	5 857	970.2	1954	84 07 - GPP
64	5.79	0.050	0.19	0.67	160	876	62	15 800	1 654.1	1974	81 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BEAVERHILL LAKE 052-19W4								
UPPER VIKING F	150.0	<0.01		0.4		0.4	0.4	
BELLOY 078-01W6								
BELLOY A	68.5	0.15		10.3		10.3	7.2	3.1
BELLOY B	78.2	0.10		7.8		7.8	1.5	6.3
BELL.HILL LAKE 041-12W4								
UPPER VIKING A	67.7	<0.01		0.2		0.2	0.2	
BLAIRMORE	30 800.0	0.40		12 300.0		12 300.0	8 547.7	3 752.3
BLAIRMORE E	1 400.0	0.03		42.0		42.0	8.5	33.5
BLAIRMORE F	31.3	<0.01		0.3		0.3	0.3	
ELLERSLIE A	1 530.0	0.05		76.5		76.5	9.8	66.7
ELLERSLIE C	51.1	0.10		5.1		5.1	0.1	5.0
BERRY 027-[illegible]W4								
UPPER MANNVILLE C	4 230.0	0.05		212.0		212.0	33.0	179.0
BIGORAY 052-08W5								
CARDIUM B TOTAL	3 056.0			305.6	760.0	1 066.0	350.7	715.3
PRIMARY AREA	15.7	0.10		1.6		1.6		
WATER FLOOD AREA	3 040.0	0.10	0.25	304.0	760.0	1 064.0		
OSTRACOD TOTAL	2 750.0			324.0	685.0	1 010.0	780.7	229.3
PRIMARY AREA	300.0	0.10		30.0		30.0		
WATER FLOOD AREA	2 450.0	0.12	0.28	294.0	685.0	979.0		
OSTRACOD B	321.0	<0.02		4.4		4.4	4.4	
ELLERSLIE A	266.0	0.02		5.3		5.3	3.2	2.1
ELLERSLIE B	277.0	0.10		27.7		27.7	5.5	22.2
ELLERSLIE D TOTAL	1 070.0			107.0	190.0	297.0	68.1	228.9
PRIMARY AREA	118.0	0.10		11.8		11.8		
WATER FLOOD AREA	950.0	0.10	0.20	95.0	190.0	285.0		
ELLERSLIE E	142.0	0.10		14.2		14.2	6.4	7.8
ELLERSLIE G TOTAL	1 320.0			132.0	90.0	222.0	66.1	155.9
PRIMARY AREA	820.0	0.10		82.0		82.0		
WATER FLOOD AREA	500.0	0.10	0.18	50.0	90.0	140.0		
ROCK CREEK A	187.0	0.10		18.7		18.7	5.1	13.6
ROCK CREEK B	37.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C	130.0	0.05		6.5		6.5	5.3	1.2
NISKU A WATER FLOOD	740.0	0.30	0.15	222.0	111.0	333.0	197.7	135.3
NISKU B SOLVENT FLOOD	1 500.0	0.30	0.30	450.0	450.0	900.0	428.3	471.7
NISKU C	1 200.0	0.35		420.0	ERSO	420.0	49.9	370.1
NISKU D WATER FLOOD	2 200.0	0.40	0.10	880.0	220.0	1 100.0	304.3	795.7
NISKU E WATER FLOOD	2 000.0	0.35	0.10	700.0	200.0	900.0	350.8	549.2
NISKU F WATER FLOOD	2 800.0	0.40	0.14	1 120.0	392.0	1 510.0	913.0	597.0
NISKU G WATER FLOOD	750.0	0.30	0.15	225.0	113.0	338.0	224.6	113.4
NISKU H WATER FLOOD	2 200.0	0.30	0.12	660.0	264.0	924.0	296.5	627.5
NISKU I WATER FLOOD	600.0	0.33	0.10	200.0	60.0	260.0	143.1	116.9
NISKU K WATER FLOOD	850.0	0.30	0.15	255.0	128.0	383.0	179.2	203.8
BILAWCHUK 080-09W6								
HALFWAY A	394.0	0.05		19.7		19.7	0.2	19.5
BITTERN LAKE 046-22W4								
NISKU A	180.0	<0.01		0.2		0.2	0.2	
BLACK 110-09W6								
MUSKEG A	150.0	0.30		45.0		45.0	24.6	20.4
MUSKEG C	360.0	0.15		54.0		54.0	19.2	34.8
KEG RIVER A WATER FLOOD	2 860.0	0.15	0.10	429.0	286.0	715.0	626.3	88.7
KEG RIVER B	222.0	0.10		22.2		22.2	2.6	19.6
BLACKFOOT 022-23W4								
LOWER MANNVILLE A	106.0	0.20		21.2		21.2	16.3	4.9
BONANZA 081-11W6								
BOUNDARY A	5 910.0	0.12		739.0	ERSO	739.0	302.5	436.5
BONNIE GLEN 046-27W4								
CARDIUM A	4 130.0	0.05		207.0	ERSO	207.0	196.9	10.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.00	0.200	0.35	0.90	29	864	38	5 163	794.0	1978	85 12 - ABAND 83 07
64	1.70	0.110	0.31	0.83	66	868	45	11 514	1 257.7	1977	85 12 - GPP
64	2.00	0.130	0.39	0.77	100	885	40	13 500	1 248.7	1985	85 08
64	0.93	0.250	0.50	0.91	37	849	27	5 520	767.8	1974	75 12 - ABAND 84 07
2 368	7.08	0.267	0.26	0.93	29	892	34	6 480	919.6	1956	85 02 - GPP
218	4.60	0.200	0.25	0.93	28	899	32	6 220	955.1	1977	86 12 - GPP
16	2.00	0.150	0.30	0.93	26	866	33	5 935	921.6	1979	85 12 - SUSP 83 09
112	6.64	0.270	0.18	0.93	28	913	33	6 454	974.7	1983	85 12
16	1.60	0.280	0.25	0.95	40	922	34	6 387	984.8	1984	85 10
1 437	2.97	0.190	0.41	0.88	49	828	43	9 601	1 101.2	1980	84 04
896					50	872	49	14 990	1 492.7	1978	86 09
64	0.80	0.040	0.85	0.90							
832	4.54	0.108	0.18	0.90							
1 183					111	839	59	17 240	1 795.6	1959	81 12
186	1.62	0.187	0.30	0.76							
997	2.47	0.187	0.30	0.76							
64	4.00	0.220	0.25	0.76	120	834	60	17 650	1 841.6	1968	81 12 - SUSP 73 10
64	4.00	0.190	0.30	0.78	89	839	60	7 671	1 785.3	1979	81 12
64	2.44	0.320	0.29	0.78	25	853	50	4 550	1 816.6	1974	80 09
512					111	833	64	16 202	1 820.1	1979	86 01
64	3.09	0.130	0.39	0.75							
445	3.51	0.130	0.38	0.75							
64	3.24	0.137	0.39	0.82	70	843	65	14 471	1 821.6	1979	80 10
448					113	853	50	16 555	1 800.3	1978	86 06
258	4.78	0.130	0.28	0.71							
190	4.54	0.120	0.32	0.71							
64	3.00	0.200	0.30	0.70	135	840	62	16 466	1 780.2	1977	82 03
80	1.50	0.110	0.60	0.70	121	840	57	15 097	1 770.4	1979	85 07
93	2.19	0.140	0.35	0.70	121	840	57	15 739	1 770.4	1979	85 07
66	30.50	0.062	0.28	0.82	73	847	73	20 180	2 347.6	1978	81 02
67	49.24	0.067	0.22	0.87	71	834	76	21 725	2 340.0	1978	81 06
82	32.96	0.075	0.26	0.80	106	860	79	21 940	2 423.7	1978	86 06
190	18.48	0.088	0.11	0.80	84	841	80	29 100	2 496.4	1978	79 04
100	45.57	0.060	0.10	0.81	56	835	80	28 448	2 504.4	1978	81 12
52	66.00	0.110	0.07	0.80	71	834	78	22 000	2 400.0	1978	85 06
55	20.00	0.120	0.28	0.79	88	835	74	20 343	2 340.4	1978	80 06
58	46.00	0.120	0.18	0.84	50	842	73	18 740	2 290.3	1979	83 01
51	25.10	0.092	0.32	0.76	100	840	73	17 940	2 285.7	1978	81 11
64	29.22	0.072	0.23	0.82	63	848	69	19 360	2 301.2	1980	86 09
64	12.51	0.113	0.42	0.75	100	844	61	11 750	1 485.5	1984	86 04 - SUSP 86 02
64	7.50	0.080	0.45	0.85	55	875	41	10 182	1 373.5	1982	82 07 - SUSP 82 09
64	7.54	0.060	0.30	0.74	62	829	85	15 950	1 916.6	1969	82 08 - GPP
48	15.20	0.079	0.16	0.74	96	830	84	16 022	1 863.1	1967	86 11
80	82.00	0.078	0.14	0.65	160	806	91	18 730	1 993.7	1967	79 12 - GPP
20	30.50	0.070	0.20	0.65	160	806	85	16 480	1 742.5	1968	84 12 - GPP
128	0.92	0.150	0.25	0.80	83	845	43	12 680	1 542.4	1963	80 03 - GPP
2 500	2.70	0.147	0.29	0.84	94	62	54	13 475	1 388.9	1973	85 08
1 318	3.26	0.130	0.16	0.88	41	834	49	14 270	1 204.3	1955	83 12 - GPP

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
BONNIE GLEN 046-27W4 (CONTINUED)								
D-2 A	138.0	<0.08		9.8		9.8	9.8	
D-3 A	125 000.0	<0.68		84 700.0		84 700.0	77 282.0	7 418.0
BOUNDARY LAKE SOUTH 085-13W6								
TRIASSIC B	131.0	<0.01		0.2		0.2	0.2	
TRIASSIC C TOTAL	3 010.0			362.0	324.0	686.0	366.0	320.0
PRIMARY AREA	312.0	0.12		37.6		37.6		
WATER FLOOD AREA	2 700.0	0.12	0.12	324.0	324.0	648.0		
TRIASSIC E TOTAL	11 000.0			1 100.0	2 970.0	4 070.0	2 524.7	1 545.3
PRIMARY AREA	1 130.0	0.10		113.0		113.0		
WATER FLOOD AREA	9 910.0	0.10	0.30	991.0	2 970.0	3 960.0		
TRIASSIC F	50.0	<0.01		0.2		0.2	0.2	
TRIASSIC H TOTAL	3 210.0			321.0	497.0	818.0	231.4	586.6
PRIMARY AREA	450.0	0.10		45.0		45.0		
WATER FLOOD AREA	2 760.0	0.10	0.18	276.0	497.0	773.0		
TRIASSIC I	475.6	0.10		47.5		47.5	20.3	27.2
CHARLIE LAKE A	231.0	0.10		23.1		23.1	3.9	19.2
BOUNDARY A	560.0	0.10		56.0		56.0	13.9	42.1
BOUNDARY C	90.8	0.10		9.1		9.1	0.1	9.0
BRAEBURN 077-10W6								
BOUNDARY A	173.0	0.10		17.3		17.3	11.6	5.7
BOUNDARY B	246.0	0.10		24.6		24.6	7.2	17.4
BRANT 019-25W4								
TURNER VALLEY A	103.0	<0.01		0.1		0.1		0.1
BRAZEAU RIVER 046-13W5								
BELLY RIVER A	94.1	<0.01		1.4		1.4	1.4	
BELLY RIVER C	964.0	0.10		96.4		96.4	8.7	87.7
BELLY RIVER D	378.0	0.10		37.8		37.8	5.7	32.1
BELLY RIVER E	283.0	0.10		28.3		28.3	1.3	27.0
BELLY RIVER F	118.0	0.10		11.8		11.8	3.2	8.6
BELLY RIVER G	113.0	0.10		11.3		11.3	1.1	10.2
BELLY RIVER I	127.0	0.10		12.7		12.7		12.7
CARDIUM A	193.0	0.10		19.3		19.3	15.8	3.5
CARDIUM C	2 500.0	0.15		375.0		375.0	85.8	289.2
CARDIUM D	89.2	0.10		8.9		8.9	0.5	8.4
CARDIUM G	188.0	0.15		28.2		28.2	7.1	21.1
CARDIUM I	200.0	0.15		30.0		30.0	12.2	17.8
CARDIUM K	117.0	0.12		14.0		14.0	7.0	7.0
CARDIUM O	52.3	<0.04		1.7		1.7	1.7	
VIKING A	465.0	0.15		70.0		70.0	23.8	46.2
VIKING D	1 450.0	0.15		218.0		218.0	127.5	90.5
VIKING E	54.2	0.10		5.4		5.4	4.4	1.0
LOWER MANNVILLE A	121.0	0.10		12.1		12.1	9.1	3.0
LOWER MANNVILLE B	82.5	<0.03		2.4		2.4	2.4	
LOWER MANNVILLE C	736.0	0.10		73.6		73.6	1.3	72.3
LOWER MANNVILLE D	110.0	0.10		11.0		11.0	0.9	10.1
ROCK CREEK B	378.0	0.10		37.8		37.8	0.8	37.0
ROCK CREEK C	506.0	0.10		50.6		50.6		50.6
NISKU A	5 300.0	0.40	0.35	2 120.0	1 860.0	3 980.0	2 407.6	1 572.4
SOLVENT FLOOD								
NISKU B	2 300.0	0.40	0.40	920.0	920.0	1 840.0	666.0	1 174.0
SOLVENT FLOOD								
NISKU C	30.0	0.25		7.5		7.5	4.1	3.4
NISKU D	2 700.0	0.40	0.25	1 080.0	675.0	1 760.0	784.5	975.5
SOLVENT FLOOD								
NISKU E	2 300.0	0.45	0.20	1 040.0	460.0	1 500.0	889.4	610.6
SOLVENT FLOOD								
NISKU G	85.0	0.30		25.5		25.5	15.5	10.0
NISKU H	80.0	0.25		20.0		20.0	17.3	2.7
NISKU I	1 060.0	<0.35		369.0		369.0	148.3	220.7
NISKU L	575.0	0.30		173.0		173.0	3.8	169.2
BRUCE 047-16W4								
LOWER MANNVILLE I	372.0	<0.01		0.3		0.3	0.3	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
67	6.28	0.057	0.20	0.72	124	815	76	14 270	1 946.5	1958	71 12 - ABAND 71 10
3 120	55.44	0.106	0.06	0.68	141	815	81	17 100	2 165.6	1951	83 12
65	1.83	0.197	0.25	0.75	98	844	46	13 100	1 385.6	1965	68 03 - ABAND 67 09
752					110	844	48	12 640	1 306.1	1968	82 08 - GPP
64	3.20	0.210	0.91	0.80							
688	2.57	0.210	0.09	0.80							
3 932					92	846	47	12 860	1 330.0	1964	84 11
384	2.68	0.160	0.13	0.79							
3 548	2.57	0.160	0.14	0.79							
64	0.61	0.175	0.05	0.77	106	844	46	12 550	1 317.7	1965	80 04 - SUSP 79 11
1 498					92	844	49	12 752	1 283.9	1973	85 05
256	1.64	0.160	0.15	0.79							
1 242	2.07	0.160	0.15	0.79							
192	2.08	0.175	0.18	0.83	62	844	47	12 240	1 303.9	1977	80 11
64	2.50	0.210	0.15	0.81	36	927	42	22 719	1 291.3	1983	84 12
320	1.67	0.145	0.13	0.83	90	844	50	11 468	1 287.9	1983	86 05
64	1.60	0.120	0.11	0.83	60	844	50	7 250	1 312.0	1984	86 06
128	2.15	0.110	0.16	0.68	110	813	75	15 078	1 787.3	1982	85 12
64	4.00	0.120	0.13	0.92	16	856	67	14 533	1 843.1	1983	84 01
64	7.70	0.050	0.45	0.76	108	900	64	14 690	1 469.0	1980	80 06 - ABAND 85 08
64	1.80	0.170	0.46	0.89	27	869	33	9 650	1 389.3	1978	84 12 - SUSP 83 09
128	10.73	0.135	0.35	0.80	90	810	58	9 600	1 944.8	1985	86 11
128	6.04	0.110	0.43	0.78	90	853	62	10 200	1 982.9	1985	86 11
128	4.13	0.120	0.45	0.81	82	810	61	9 500	1 827.3	1985	86 04
64	2.70	0.130	0.35	0.81	82	810	61	9 500	1 771.2	1985	85 11
64	4.00	0.090	0.45	0.89	62	826	57	8 900	1 661.1	1985	86 09
64	3.50	0.120	0.40	0.79	85	857	53	9 301	1 495.0	1985	86 12
195	1.52	0.140	0.20	0.58	164	788	71	16 550	2 371.3	1966	83 12 - GPP
2 148	2.36	0.100	0.15	0.58	293	784	77	26 331	2 446.4	1980	86 10
64	3.00	0.101	0.20	0.58	164	826	60	19 960	2 100.9	1980	84 02 - GPP
100	4.50	0.090	0.20	0.58	115	783	73	26 177	2 456.8	1981	85 12
103	3.00	0.140	0.20	0.58	240	793	76	25 470	2 417.4	1971	85 12
70	3.00	0.120	0.20	0.58	245	796	76	25 895	2 296.5	1973	85 12
64	1.60	0.110	0.20	0.58	210	760	66	23 000	2 364.4	1985	86 03 - SUSP 86 02
256	1.82	0.160	0.20	0.78	114	815	79	25 240	2 464.0	1973	79 10
777	2.12	0.170	0.27	0.71	160	833	80	30 409	2 534.0	1973	86 06
64	1.50	0.119	0.35	0.73	158	834	81	29 908	2 521.2	1984	85 03
65	4.57	0.090	0.30	0.65	184	815	92	39 610	3 120.2	1967	68 05 - GPP
64	1.52	0.170	0.18	0.60	220	804	99	29 950	2 737.7	1975	78 05 - ABAND 84 07
64	9.75	0.210	0.15	0.65	177	812	95	32 960	3 079.1	1974	79 03 - SUSP 84 11
64	2.70	0.150	0.35	0.65	180	803	93	27 319	2 884.2	1967	84 10
64	8.43	0.124	0.32	0.83	65	803	72	30 251	2 776.3	1983	84 09 - SUSP 85 10
64	11.30	0.125	0.20	0.70	110	808	96	23 570	2 926.7	1976	85 03 - SUSP 85 03
108	73.20	0.110	0.10	0.68	178	806	107	46 530	3 107.4	1978	81 01
90	68.80	0.058	0.14	0.74	130	816	102	32 520	3 070.1	1978	85 06
5	28.65	0.040	0.15	0.60	195	820	107	33 233	3 101.0	1978	83 10 - SUSP 84 06
157	45.10	0.650	0.13	0.67	183	815	102	34 490	3 068.8	1978	85 07
142	40.00	0.100	0.12	0.46	354	799	108	46 200	3 200.0	1978	81 07
20	22.30	0.045	0.23	0.55	255	813	100	38 230	3 148.5	1978	84 12
96	2.44	0.060	0.10	0.63	189	806	105	43 780	3 133.6	1978	82 12
112	47.10	0.050	0.20	0.50	396	802	102	33 660	3 044.2	1979	80 08
106	15.70	0.123	0.17	0.34	672	788	105	40 977	3 197.5	1982	83 11 - SUSP 84 02
64	3.40	0.230	0.20	0.93	27	910	34	6 181	865.8	1978	83 12 - SUSP 82 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BUFFALO LAKE 039-21W4								
D-3	1 410.0	0.55		776.0		776.0	705.0	71.0
D-3 B	782.0	0.60		470.0		470.0	274.3	195.7
BYEMOOR 034-19W4								
VIKING A	144.0	0.05		7.2		7.2	3.5	3.7
CACHE 057-11W4								
VIKING D	73.5	0.10		7.4		7.4	0.2	7.2
CAMPBELL-NAMAO 054-25W4								
CAMPBELL BLAIRMORE A	2 860.0	0.09		257.0		257.0	234.6	22.4
NAMAO BLAIRMORE C	216.0	0.18		38.9		38.9	34.8	4.1
NAMAO BLAIRMORE D	176.0	0.15		26.4		26.4	21.7	4.7
NAMAO BLAIRMORE E	2 940.0	0.06		176.0		176.0	164.6	11.4
NAMAO BLAIRMORE F	3 960.0	0.10		396.0		396.0	188.5	207.5
BLAIRMORE G	262.0	<0.01		1.3		1.3	1.3	
BLAIRMORE J	1 110.0	0.09		100.0		100.0	46.0	54.0
BLAIRMORE M	109.0	<0.01		0.1		0.1		0.1
BLAIRMORE N	190.0	0.10		19.0		19.0	1.6	17.4
BLAIRMORE P	84.1	0.10		8.4		8.4	0.3	8.1
WABAMUN A	108.0	0.10		10.8		10.8	0.8	10.0
CARBON 029-22W4								
PEKISKO B	133.0	0.06		8.0		8.0	5.5	2.5
PEKISKO E	133.0	<0.10		12.5		12.5	11.1	1.4
CARDIFF 055-02W5								
ELLERSLIE B	122.0	0.10		12.2		12.2	0.3	11.9
WABAMUN A	1 130.0	0.10		113.0		113.0	17.2	95.8
CAROLINE 035-06W5								
FIRST WHITE SPECKS A	85.2	<0.03		2.1		2.1	2.1	
CARDIUM A	191.0	<0.02		2.7		2.7	2.7	
CARDIUM B	58.0	<0.09		5.2		5.2	5.2	
CARDIUM C	191.0	<0.05		9.5		9.5	7.0	2.5
CARDIUM D	96.5	0.04		3.9		3.9	3.1	0.8
CARDIUM E TOTAL	8 800.0			792.0	1 408.0	2 200.0	1 080.3	1 119.7
SOLVENT FLOOD AREA	4 400.0	0.09	0.21	396.0	924.0	1 320.0		
WATER FLOOD AREA	4 400.0	0.09	0.11	396.0	484.0	880.0		
CARDIUM F	530.0	0.09		47.7		47.7	35.4	12.3
CARDIUM G	101.0	<0.02		1.7		1.7	1.7	
CARDIUM H	65.9	0.06		4.0		4.0	2.5	1.5
CARDIUM I	94.2	0.10		9.4		9.4	6.2	3.2
SECOND WHITE SPECKS A	164.0	<0.01		0.9		0.9	0.9	
VIKING A	9 800.0	0.12		1 180.0		1 180.0	856.4	323.6
VIKING F	157.0	0.10		15.7		15.7	9.9	5.8
VIKING G	219.0	<0.13		27.1		27.1	2.1	25.0
VIKING H	82.2	<0.06		4.8		4.8	4.8	
VIKING I	140.0	<0.02		1.7		1.7	1.7	
VIKING J	157.0	0.05		7.9		7.9	2.0	5.9
VIKING L	73.9	0.15		11.1		11.1	8.1	3.0
VIKING M	164.0	0.01		1.6		1.6	0.6	1.0
VIKING N	37.3	0.10		3.7		3.7	0.3	3.4
VIKING O	122.0	0.10		12.2		12.2	1.4	10.8
UPPER MANNVILLE A	187.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE W	211.0	0.10		21.1		21.1	0.1	21.0
BASAL MANNVILLE A2A	161.0	0.10		16.1		16.1	0.6	15.5
ELLERSLIE A	153.0	0.15		23.0		23.0	9.3	13.7
ELLERSLIE B	207.0	0.15		31.1		31.1	10.8	20.3
RUNDLE A TOTAL	9 900.0			1 800.0	661.0	2 460.0	1 861.3	598.7
PRIMARY AREA	5 180.0	0.20		1 040.0		1 040.0		
WATER FLOOD AREA	4 720.0	0.16	0.14	755.0	661.0	1 420.0		
ELKTON M	461.0	0.15		69.2		69.2	7.2	62.0
CARROT CREEK 052-13W5								
CARDIUM A TOTAL	867.8			104.4	85.0	189.4	93.5	95.9
PRIMARY AREA	211.8	0.12		25.4		25.4		
WATER FLOOD AREA	656.0	0.12	0.13	79.0	85.0	164.0		
CARDIUM B	509.0	0.05		25.5	ERSO	25.5	23.1	2.4
CARDIUM C	636.0	0.05		31.8		31.8	20.7	11.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	28.65	0.101	0.09	0.83	74	892	59	15 170	1 685.2	1961	69 03 - GPP
43	26.80	0.100	0.15	0.81	83	887	57	14 070	1 676.7	1967	84 04
64	2.00	0.200	0.34	0.85	62	828	42	8 079	1 166.0	1979	83 12
64	1.20	0.230	0.48	0.80	20	888	28	4 139	475.1	1983	85 06
809	3.08	0.174	0.25	0.88	41	870	47	8 450	1 132.0	1949	85 12 - GPP
47	3.96	0.180	0.29	0.91	41	870	47	8 340	1 136.0	1953	85 12 - GPP
32	3.66	0.210	0.22	0.91	41	870	48	8 410	1 142.1	1959	81 12 - GPP
503	4.18	0.213	0.20	0.82	41	870	46	8 270	1 115.9	1951	67 05 - GPP - MRL
534	4.63	0.220	0.20	0.91	41	870	46	7 830	1 115.9	1966	76 12 - GPP
64	3.08	0.200	0.27	0.91	35	898	34	6 890	1 123.5	1951	83 12 - SUSP 83 11
313	2.57	0.220	0.30	0.90	43	892	35	7 920	1 142.4	1977	80 12 - GPP
64	1.80	0.150	0.30	0.90	38	850	37	5 194	1 143.3	1983	84 09 - ABAND 84 07
64	4.50	0.150	0.50	0.88	45	864	41	8 248	1 102.8	1984	85 04 - GPP
64	1.60	0.210	0.57	0.91	39	879	32	4 700	1 072.5	1985	86 05
64	1.70	0.180	0.35	0.85	48	854	38	7 389	1 167.9	1981	86 12
64	5.50	0.065	0.30	0.83	69	865	53	11 610	1 574.9	1973	86 12 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 631	1 592.8	1978	85 03 - GPP
64	2.00	0.270	0.12	0.40	110	788	51	9 900	1 279.0	1985	85 07
256	7.96	0.110	0.44	0.90	50	930	43	9 500	1 401.4	1983	86 04
65	2.44	0.120	0.40	0.75	105	881	66	22 170	2 046.1	1975	76 09 - SUSP 76 01
16	12.80	0.151	0.20	0.76	142	797	73	26 030	2 255.5	1961	69 05 - ABAND 67 10
64	3.82	0.039	0.20	0.76	142	801	66	27 240	2 362.8	1965	83 12 - SUSP 82 03
129	1.95	0.158	0.20	0.60	257	784	73	27 550	2 402.7	1973	74 05
64	2.07	0.140	0.20	0.65	186	811	66	27 510	2 378.4	1975	84 12 - GPP
9 290					352	797	73	28 880	2 513.7	1976	84 10
5 107	1.86	0.103	0.15	0.53							
4 183	2.27	0.103	0.15	0.53							
467	3.06	0.080	0.20	0.58	246	801	77	28 030	2 451.9	1976	79 12
64	3.05	0.110	0.15	0.55	312	801	69	22 090	2 429.4	1975	78 02 - SUSP 83 06
65	1.83	0.120	0.20	0.58	246	801	74	21 930	2 412.2	1975	78 04 - GPP
64	2.10	0.110	0.15	0.75	140	836	70	27 000	2 521.8	1985	86 01
64	5.00	0.100	0.30	0.73	120	820	65	20 380	2 621.5	1979	81 12 - ABAND 83 07
7 744	3.10	0.080	0.30	0.73	89	825	89	17 000	2 663.0	1962	80 08
98	3.05	0.100	0.30	0.75	89	825	89	16 980	2 471.0	1968	83 06 - GPP
192	3.23	0.076	0.38	0.75	139	793	77	17 580	2 716.6	1977	82 04 - GPP
64	4.74	0.070	0.47	0.73	110	724	85	21 781	2 786.9	1979	80 06 - ABAND 83 01
64	7.02	0.074	0.37	0.67	200	788	60	17 323	2 714.5	1978	83 12 - ABAND 80 11
64	6.50	0.070	0.25	0.72	125	849	60	17 020	2 677.5	1980	83 09 - GPP
64	3.70	0.080	0.35	0.60	213	844	85	20 100	2 457.3	1964	82 12 - SUSP 86 04
64	6.10	0.100	0.30	0.60	210	844	66	20 700	2 417.0	1962	83 12 - GPP
64	1.90	0.069	0.26	0.60	200	839	85	23 000	2 457.2	1985	85 12
64	7.50	0.065	0.35	0.60	195	803	89	19 247	2 574.7	1982	82 11
64	4.00	0.130	0.12	0.64	181	863	81	27 724	2 718.9	1981	86 12 - SUSP 85 08
64	5.00	0.110	0.22	0.77	78	811	110	14 500	2 839.5	1980	82 06 - SUSP 86 02
64	3.90	0.130	0.20	0.62	191	806	88	14 500	2 724.7	1982	86 11
64	5.82	0.073	0.25	0.75	105	830	88	28 698	2 800.6	1981	84 12
64	4.90	0.100	0.12	0.75	125	832	92	22 557	2 916.6	1981	84 12
3 700					152	844	89	23 580	2 698.7	1955	86 12 - GPP
2 241	5.71	0.074	0.24	0.72							
1 459	7.99	0.074	0.24	0.72							
64	10.30	0.120	0.19	0.72	150	847	87	20 100	2 724.9	1985	86 11
371					53	834	57	10 310	1 661.2	1963	86 09
96	3.58	0.100	0.73	0.85							
307	5.08	0.066	0.25	0.85							
404	2.99	0.065	0.20	0.81	62	829	61	10 480	1 661.2	1966	82 12 - GPP
259	3.96	0.080	0.10	0.86	57	849	70	9 980	1 614.2	1973	75 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CARROT CREEK 052-13W5 (CONTINUED)								
CARDIUM D	2 830.0	0.10		283.0		283.0	110.7	172.3
CARDIUM E WATER FLOOD	433.0	0.15	0.10	65.0	43.3	108.3	20.9	87.4
CARDIUM F TOTAL	5 430.0			801.0	289.0	1 090.0	276.2	813.8
PRIMARY AREA	3 910.0	0.15		587.0		587.0		
WATER FLOOD AREA	1 520.0	<0.15	0.19	216.0	289.0	505.0		
CARDIUM H	24.8	<0.03		0.5		0.5	0.5	
CARDIUM I	173.0	0.10		17.3		17.3	14.0	3.3
CARDIUM K	2 360.0	0.10		236.0		236.0	86.7	149.3
CARDIUM N	84.4	0.10		8.4		8.4	1.4	7.0
CARDIUM S	435.0	0.10		43.5		43.5	10.6	32.9
CARDIUM V	162.0	0.10		16.2		16.2		16.2
CARDIUM Y	251.0	0.10		25.1		25.1	2.0	23.1
CARDIUM AA	85.6	0.10		8.6		8.6	2.5	6.1
CARDIUM CC	686.0	0.10		68.6		68.6	0.4	68.2
CARDIUM DD	360.0	0.10		36.0		36.0	4.0	32.0
CARDIUM EE	669.0	0.15		100.0		100.0	7.2	92.8
CARDIUM FF	186.0	0.10		18.6		18.6	0.8	17.8
CARDIUM GG	348.0	0.10		34.8		34.8	8.6	26.2
CARDIUM HH	318.0	0.10		31.8		31.8	3.7	28.1
LOWER MANNVILLE A	301.0	0.01		3.0		3.0	1.4	1.6
LOWER MANNVILLE B	221.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE C	213.0	0.05		10.7		10.7	2.7	8.0
LOWER MANNVILLE N	73.7	0.10		7.4		7.4	1.1	6.3
LOWER MANNVILLE T	174.0	0.04		7.0		7.0	2.1	4.9
LOWER MANNVILLE M JURASSIC O&P	4 600.0	0.08		368.0		368.0	125.2	242.8
JURASSIC A	213.0	<0.01		0.2		0.2	0.2	
JURASSIC X & AA	254.0	0.10		25.4		25.4	1.9	23.5
CARSON CREEK NORTH 062-12W5								
BEAVERHILL LAKE A TOTAL	15 100.0			2 260.0	4 530.0	6 790.0	5 779.4	1 010.6
PRIMARY AREA	36.7	0.10		3.7		3.7		
WATER FLOOD AREA	15 100.0	0.15	0.30	2 260.0	4 530.0	6 790.0		
BEAVERHILL LAKE B TOTAL	42 600.0			6 860.0	13 200.0	20 110.0	15 404.8	4 705.2
PRIMARY AREA	87.1	0.15		13.1		13.1		
WATER FLOOD AREA	42 500.0	<0.17	0.31	6 850.0	13 200.0	20 100.0		
CARSTAIRS 030-02W5								
CARDIUM A	240.0	0.03		7.2		7.2	1.8	5.4
CARDIUM B	23.3	0.10		2.3		2.3	0.2	2.1
BLACKSTONE A	129.0	0.10		12.9		12.9	0.1	12.8
VIKING B	709.0	0.10		70.9		70.9	9.6	61.3
VIKING C	131.0	0.10		13.1		13.1	2.3	10.8
CAVALIER 024-23W4								
GLAUCONITIC A	449.0	0.10		44.9		44.9	10.7	34.2
CESSFORD 025-13W4								
VIKING Y	145.0	<0.01		0.1		0.1		0.1
GLAUCONITIC T & MANNVILLE HH	191.0	0.03		5.7		5.7	2.1	3.6
BANFF B	6 800.0	0.10		680.0		680.0	181.2	498.8
BANFF E	125.0	0.10		12.5		12.5	0.7	11.8
CHAIN 033-17W4								
VIKING A	49.5	0.10		5.0		5.0		5.0
VIKING D	516.0	0.12		61.9		61.9	36.0	25.9
VIKING E	61.9	0.12		7.4		7.4	1.5	5.9
BANFF A	2 300.0	0.15		345.0		345.0	45.4	299.6
BANFF B	108.0	0.10		10.8		10.8	2.8	8.0
BANFF D	20.0	0.20		4.0		4.0	3.6	0.4
BANFF E	27.6	0.10		2.8		2.8	0.2	2.6
BANFF F	181.0	0.15		27.2		27.2		27.2
CHAMBERLAIN 052-23W4								
BLAIRMORE	509.0	<0.05		24.3		24.3	24.3	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
718	6.00	0.090	0.14	0.85	65	844	52	12 974	1 596.4	1973	86 03
128	7.54	0.060	0.13	0.86	78	835	57	10 539	1 640.4	1980	86 09
1 806					65	854	56	10 247	1 602.3	1980	85 04
1 296	4.68	0.090	0.14	0.83							
510	4.62	0.090	0.14	0.83							
64	1.20	0.070	0.40	0.77	63	840	57	8 997	1 605.4	1979	81 03 - SUSP 85 05
64	4.99	0.071	0.10	0.86				7 236	1 510.0	1967	84 12
512	8.58	0.080	0.21	0.85	50	838	68	10 889	1 769.2	1983	85 05
64	2.65	0.065	0.11	0.86	78	835	57	8 710	1 641.6	1981	83 11 - GPP
192	3.74	0.080	0.11	0.85	65	836	56	12 335	1 520.4	1984	85 11
64	3.00	0.110	0.10	0.85	50	838	68	9 020	1 628.4	1984	84 12
64	10.88	0.060	0.25	0.80	50	838	68	9 208	1 616.3	1984	85 06
128	1.69	0.066	0.25	0.80	48	842	68	10 645	1 564.2	1984	85 08 - GPP
192	5.19	0.100	0.19	0.85	50	840	68	9 063	1 595.2	1985	86 10
64	11.38	0.083	0.30	0.85	50	852	68	9 501	1 586.6	1985	85 12
128	9.32	0.070	0.10	0.89	51	845	56	9 715	1 597.9	1985	86 07
64	2.70	0.170	0.21	0.80	104	826	63	13 663	1 565.5	1983	85 10
128	6.82	0.070	0.33	0.85	54	837	57	10 183	1 589.9	1983	86 12
128	5.29	0.080	0.31	0.85	61	819	60	10 386	1 570.8	1985	86 10
64	6.40	0.150	0.30	0.70	135	835	62	15 560	2 182.5	1978	82 12 - GPP
64	6.40	0.140	0.45	0.70	125	842	82	17 910	2 175.2	1979	85 09 - SUSP 84 05
64	6.04	0.120	0.35	0.70	168	814	63	16 517	2 223.0	1979	83 12 - GPP
64	2.30	0.130	0.45	0.70	130	884	86	17 794	2 180.9	1980	82 03 - GPP
64	5.00	0.120	0.38	0.73	110	846	59	15 978	2 129.3	1981	86 12
1 054	8.61	0.110	0.36	0.72	53	834	57	16 999	2 127.4	1963	84 04
64	7.00	0.100	0.35	0.73	125	850	60	17 000	2 187.5	1979	83 12 - ABAND 80 02
64	7.50	0.130	0.45	0.74	115	864	60	16 853	2 192.8	1984	85 03 - GPP
4 173					286	806	85	25 680	2 631.0	1959	82 12
64	1.50	0.080	0.13	0.55							
4 109	9.60	0.080	0.13	0.55							
6 581					274	806	88	25 880	2 662.7	1958	86 10
128	2.70	0.050	0.16	0.60							
6 453	14.68	0.089	0.16	0.60							
64	6.00	0.130	0.35	0.74	119	836	66	22 297	1 981.0	1983	86 12
64	1.00	0.070	0.35	0.80	82	854	59	16 512	1 956.5	1983	84 10 - SUSP 84 08
64	4.50	0.080	0.30	0.80	85	844	61	20 904	2 037.0	1983	85 03 - SUSP 85 06
128	9.63	0.110	0.37	0.83	68	835	71	13 708	2 206.8	1958	86 03
64	3.00	0.150	0.45	0.83	68	835	71	12 017	2 175.0	1980	84 04 - GPP
128	2.82	0.190	0.21	0.83	70	871	49	11 806	1 586.3	1979	83 06 - GPP
64	2.80	0.150	0.40	0.10	40	850	30	5 500	860.9	1985	86 06 - SUSP 86 01
64	5.00	0.140	0.48	0.82	70	863	47	9 062	1 274.8	1981	85 12
2 501	3.92	0.145	0.45	0.87	46	877	40	9 988	1 282.1	1973	82 07
64	2.20	0.160	0.37	0.88	55	857	50	8 161	1 232.8	1985	86 05
64	1.00	0.150	0.40	0.86	50	838	42	6 594	1 067.3	1984	85 10
549	0.90	0.170	0.38	0.86	62	834	34	8 210	1 125.6	1977	86 10
64	2.50	0.090	0.50	0.86	53	838	39	6 600	1 142.3	1983	84 08
640	8.79	0.069	0.24	0.78	112	865	40	9 282	1 259.4	1984	86 03
64	2.50	0.140	0.40	0.80	50	860	38	7 000	1 236.8	1985	86 03
64	2.00	0.040	0.50	0.78	112	856	40	13 928	1 297.3	1985	86 12
64	2.50	0.050	0.54	0.75	113	860	40	13 928	1 240.8	1985	86 08
64	10.30	0.050	0.27	0.75	113	868	40	13 928	1 249.1	1977	86 11
45	7.53	0.252	0.32	0.88	41	892	46	8 210	1 126.5	1952	64 04 - ABAND 70 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
CHERHILL 056-05W5								
VIKING C	101.0	0.15		15.2		15.2	11.5	3.7
VIKING D	124.0	<0.01		1.1		1.1	1.1	
DETRITAL A	58.1	0.10		5.8		5.8		5.8
NORDEGG A	439.0	0.10		43.9		43.9	11.3	32.6
JURASSIC B	351.0	<0.01		0.6		0.6	0.6	
BANFF A TOTAL	3 000.0			599.0	500.0	1 100.0	448.9	651.1
PRIMARY AREA	215.0	0.20		43.0		43.0		
WATER FLOOD AREA	2 780.0	0.20	0.18	556.0	500.0	1 060.0		
BANFF D TOTAL	1 200.0			181.0	166.0	347.0	98.8	248.2
PRIMARY AREA	373.0	0.15		56.0		56.0		
WATER FLOOD AREA	831.0	0.15	0.20	125.0	166.0	291.0		
BANFF G	1 020.0	0.03		30.6		30.6	11.3	19.3
BANFF H	1 980.0	0.10		198.0		198.0	30.5	167.5
BANFF I	1 880.0	0.40		752.0		752.0	724.5	27.5
BANFF J	109.0	0.20		22.0		22.0	5.2	16.8
BANFF K	217.0	0.20		43.0		43.0	5.5	37.5
BANFF L	383.0	0.20		76.6		76.6	37.1	39.5
BANFF M	2 280.0	0.20		456.0		456.0	105.5	350.5
BANFF N	222.0	0.20		44.4		44.4	9.7	34.7
BANFF O	351.0	0.15		52.7		52.7	8.3	44.4
BANFF P	327.0	0.10		32.7		32.7	0.1	32.6
CHICKADEE 061-16W5								
GETHING D	88.1	0.10		8.8		8.8	0.2	8.6
CHIGWELL 041-24W4								
VIKING B TOTAL	2 370.0			284.0	127.0	411.0	235.8	175.2
PRIMARY AREA	1 310.0	0.12		157.0		157.0		
WATER FLOOD AREA	1 060.0	0.12	0.12	127.0	127.0	254.0		
VIKING D	89.5	0.10		9.0		9.0	4.2	4.8
VIKING E	8 150.0	0.10		815.0		815.0	126.4	688.6
VIKING F	226.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	134.0	<0.01		0.2		0.2	0.2	
MANNVILLE H	289.0	0.10		28.9		28.9	10.8	18.1
MANNVILLE I	169.0	0.02		3.4		3.4	2.3	1.1
MANNVILLE K	45.9	0.05		2.3		2.3	0.6	1.7
MANN E & UP MANN A	8 290.0	0.07		580.0		580.0	278.5	301.5
UPPER MANNVILLE B	275.0	0.03		8.3		8.3	4.2	4.1
UPPER MANNVILLE C	261.0	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	114.0	<0.01		0.5		0.5	0.5	
D-2 A	473.0	0.20		94.6		94.6	54.1	40.5
D-2 B	116.0	<0.07		7.1		7.1	7.1	
D-2 C	499.0	0.12		59.9		59.9	48.6	11.3
D-2 D	98.5	<0.03		2.0		2.0	2.0	
D-3 A	108.0	<0.05		4.8		4.8	4.8	
D-3 B	766.0	0.35		268.0		268.0	155.1	112.9
D-3 C	254.0	<0.01		0.4		0.4	0.4	
D-3 E	540.0	0.45		243.0		243.0	43.1	199.9
CHIGWELL NORTH 042-24W4								
D-3 A	110.0	0.10		11.0		11.0	0.5	10.5
CINDY 077-01W6								
D-1 A	480.0	0.20		96.0		96.0	1.9	94.1
CLARESHOLM 013-26W4								
RUNDLE A	1 920.0	0.04		76.8		76.8	49.7	27.1
RUNDLE B	1 340.0	0.03		40.2		40.2	29.3	10.9
RUNDLE C	56.1	0.10		5.6		5.6	4.2	1.4
CLIVE 040-24W4								
GLAUCONITIC A	195.0	<0.01		0.1		0.1		0.1
GLAUCONITIC B	64.0	<0.01		0.1		0.1	0.1	
D-2 A TOTAL	7 620.0			2 580.0	886.0	3 470.0	2 256.4	1 213.6
PRIMARY AREA	243.0	0.02		4.9		4.9		
WATER FLOOD AREA	7 380.0	0.35	0.12	2 580.0	886.0	3 470.0		
D-2 B TOTAL	692.0			242.0	50.9	293.0	164.0	129.0
PRIMARY AREA	183.0	0.35		64.1		64.1		
WATER FLOOD AREA	509.0	0.35	0.10	178.0	50.9	229.0		
D-2 C	34.8	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	13 400.0			5 020.0	1 970.0	6 990.0	5 077.5	1 912.5

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
64	1.24	0.190	0.20	0.84	62	844	56	8 140	1 140.6	1974	83 12
64	1.86	0.160	0.25	0.87	55	849	38	7 515	1 157.3	1977	83 12 - SUSP 82 03
64	1.00	0.170	0.40	0.89	74	867	45	11 000	1 304.8	1983	86 10
128	3.80	0.170	0.39	0.87	56	900	38	10 894	1 343.0	1973	82 07
64	6.19	0.180	0.40	0.82	62	901	50	10 855	1 357.0	1979	83 12 - SUSP 82 07
573					103	865	44	11 310	1 322.5	1965	84 08
64	13.20	0.050	0.33	0.76							
509	7.33	0.140	0.30	0.76							
209					73	865	47	10 791	1 338.7	1979	82 09
32	19.50	0.121	0.35	0.76							
177	7.85	0.121	0.35	0.76							
64	14.10	0.200	0.35	0.87	53	907	46	11 055	1 369.7	1980	83 12 - GPP
192	8.96	0.210	0.34	0.83	68	825	41	11 019	1 370.7	1979	86 03
602	4.19	0.140	0.30	0.76				11 187	1 315.9	1980	85 12
32	4.57	0.140	0.30	0.76				10 035	1 345.9	1982	82 09 - SUSP 84 07
32	9.09	0.140	0.30	0.76				11 365	1 331.9	1982	82 09
128	5.48	0.100	0.35	0.84	66	870	50	11 063	1 325.1	1976	82 12
192	12.90	0.160	0.29	0.81	82	863	46	10 937	1 324.2	1982	85 03
32	9.40	0.130	0.34	0.86	48	910	64	11 200	1 329.4	1982	83 04
64	10.10	0.100	0.33	0.81	82	863	46	11 080	1 327.0	1983	83 10
64	3.70	0.240	0.33	0.86	48	892	64	10 904	1 351.2	1984	84 12 - SUSP 86 01
64	2.73	0.120	0.40	0.70	156	824	82	13 613	1 830.4	1980	81 11 - SUSP 86 05
1 379					50	844	46	7 830	1 425.9	1962	85 09
800	2.34	0.130	0.40	0.90							
579	2.60	0.130	0.40	0.90							
64	3.20	0.120	0.60	0.91	34	830	58	7 975	1 464.6	1982	83 07 - SUSP 86 04
3 376	3.24	0.130	0.37	0.91	34	858	58	8 000	1 403.3	1983	85 10
64	5.70	0.120	0.40	0.86	48	817	57	5 482	1 420.9	1983	85 08 - SUSP 84 07
65	1.83	0.150	0.15	0.89	39	910	51	12 410	1 648.7	1977	77 06 - ABAND 78 05
64	4.00	0.170	0.20	0.83	59	915	63	12 392	1 595.1	1978	78 10
64	2.20	0.170	0.15	0.83	58	850	63	3 310	1 627.3	1978	82 12 - GPP
64	1.20	0.180	0.60	0.83	59	874	63	13 362	1 572.8	1985	86 06
5 376	1.51	0.150	0.18	0.83	33	921	48	13 450	1 581.6	1976	83 02 - GPP
65	3.35	0.180	0.15	0.83	59	915	63	13 410	1 602.3	1977	80 12 - GPP
64	4.00	0.150	0.20	0.85	80	700	60	7 660	1 443.0	1979	80 06 - ABAND 81 01
64	2.00	0.150	0.30	0.85	54	899	62	14 877	1 539.5	1980	83 12 - SUSP 81 12
117	10.63	0.065	0.22	0.75	106	829	70	15 860	1 848.0	1955	84 01 - GPP
65	2.59	0.140	0.42	0.85	106	829	71	16 890	1 882.4	1959	73 02 - ABAND 72 05
404	4.57	0.045	0.25	0.80	83	829	72	16 930	1 871.8	1968	83 12 - GPP
65	3.96	0.060	0.20	0.80	83	829	57	14 070	1 872.7	1974	75 08 - SUSP 77 07
128	3.02	0.050	0.19	0.69	147	820	60	17 380	1 943.7	1964	83 09 - ABAND 83 09
128	12.16	0.080	0.18	0.75	105	855	63	16 840	1 938.5	1968	84 12 - GPP
64	5.50	0.110	0.10	0.73	110	844	65	19 125	2 131.3	1981	82 03 - SUSP 81 12
100	14.37	0.062	0.17	0.73	129	834	71	14 270	1 907.8	1984	86 06
64	4.50	0.070	0.25	0.73	120	844	59	13 653	1 843.3	1980	82 03 - SUSP 84 07
64	21.80	0.050	0.14	0.80	72	842	70	9 300	2 118.9	1985	85 05 - SUSP 86 02
129	28.96	0.086	0.16	0.71	131	844	55	19 700	2 065.9	1972	78 12 - GPP
194	14.11	0.081	0.15	0.71	131	844	54	19 650	2 065.6	1972	78 12
65	3.05	0.060	0.35	0.73	128	849	60	20 540	2 068.1	1968	73 01 - SUSP 85 09
64	4.00	0.130	0.35	0.90	35	881	62	7 240	1 585.1	1978	79 01 - ABAND 79 09
64	1.40	0.120	0.30	0.85	58	881	62	11 370	1 578.7	1978	83 12 - SUSP 79 03
3 316					148	820	69	17 000	1 868.4	1951	85 07
100	9.00	0.049	0.20	0.69							
3 216	3.81	0.050	0.20	0.69							
367					148	820	68	16 410	1 841.4	1966	83 07
64	5.90	0.080	0.12	0.69							
303	6.92	0.044	0.20	0.69							
65	1.22	0.080	0.20	0.69	142	820	67	17 070	1 886.4	1965	70 05 - ABAND 67 01
4 546					155	825	66	17 510	1 898.0	1952	84 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
CLIVE 040-24W4 (CONTINUED)								
PRIMARY AREA	1 060.0	0.08		84.8		84.8		
WATER FLOOD AREA	12 300.0	<0.50	0.16	4 940.0	1 970.0	6 910.0		
CLOVER 061-17W5								
GETHING A	60.5	0.01		0.1		0.1		0.1
COSWAY 030-26W4								
RUNDLE A	91.3	<0.01		0.3		0.3	0.3	
COUTTS 001-16W4								
MOULTON A TOTAL	2 060.0			411.0	262.0	673.0	467.0	206.0
PRIMARY AREA	746.0	0.20		149.0		149.0		
WATER FLOOD AREA	1 310.0	0.20	0.20	262.0	262.0	524.0		
MOULTON B	89.0	0.02		1.8		1.8	0.7	1.1
MOULTON C	1 560.0	0.03		46.8		46.8	27.6	19.2
COYOTE 029-15W4								
GLAUCONITIC G	94.1	<0.01		0.1		0.1	0.1	
BANFF A	70.3	0.10		7.0		7.0	0.3	6.7
CRAIGMYLE 032-17W4								
GLAUCONITIC B	299.0	0.10		29.9		29.9	0.4	29.5
BANFF A	217.0	0.10		21.7		21.7	4.	17.1
CRANBERRY 026-01W5								
GILWOOD A	96.1	0.20		19.2		19.2	9.9	9.3
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700.0			1 540.0	1 490.0	3 030.0	2 872.0	158.0
PRIMARY AREA	795.0	0.06		47.7		47.7		
WATER FLOOD AREA	24 900.0	0.06	0.06	1 490.0	1 490.0	2 990.0		
CARDIUM B	391.0	0.10		39.1		39.1	19.8	19.3
CARDIUM C	53.7	0.10		5.4		5.4	1.4	4.0
JUMPING POUND A	119.0	0.14		16.7		16.7	11.9	4.8
SECOND WHITE SPECKS A	207.0	0.15		31.0		31.0	25.3	5.7
SECOND WHITE SPECKS B	253.0	0.10		25.3		25.3	16.5	8.8
VIKING A	311.0	0.15		46.7		46.7	19.7	27.0
VIKING B	1 640.0	0.10		164.0		164.0	23.9	140.1
VIKING C	38.8	0.10		3.9		3.9	2.4	1.5
VIKING D	133.0	0.10		13.3		13.3	0.8	12.5
VIKING E	140.0	0.10		14.0		14.0	0.7	13.3
RUNDLE C	1 000.0	0.20		200.0		200.0	74.8	125.2
RUNDLE E	2 260.0	0.05		113.0		113.0	80.2	32.8
RUNDLE G	1 230.0	0.25		308.0		308.0	161.1	146.9
CROSSFIELD EAST 029-01W5								
CARDIUM B	144.0	0.07		10.1		10.1	4.1	6.0
CARDIUM C	2 920.0	0.12		350.0		350.0	249.5	100.5
CARDIUM D	595.0	0.06		35.7		35.7	25.8	9.9
CARDIUM E	104.0	0.10		10.4		10.4	6.3	4.1
CARDIUM F	57.9	0.15		8.7		8.7	1.7	7.0
ELLERSLIE A	212.0	0.05		10.6		10.6	5.3	5.3
ELKTON A	1 060.0	0.17		180.0		180.0	164.6	15.4
ELKTON B	188.0	<0.01		1.7		1.7		1.7
ELKTON D	2 700.0	0.13		351.0		351.0	336.3	14.7
ELKTON F	634.0	0.10		63.4		63.4	39.5	23.9
CRYSTAL 046-03W5								
VIKING A TOTAL	16 190.0			1 965.0	3 528.0	5 493.0	1 165.7	4 327.3
PRIMARY AREA	2 100.0	<0.07		96.5		96.5		
WATER FLOOD AREA	14 090.0	0.15	0.25	1 868.0	3 528.0	5 396.0		
VIKING H	1 640.0	0.15		246.0		246.0	61.9	184.1
VIKING I	242.0	0.10		24.2		24.2	0.2	24.0
CYGNET 038-01W5								
VIKING A	385.0	0.15		57.8		57.8	26.3	31.5
VIKING C	176.0	0.15		26.4		26.4	9.7	16.7
VIKING F	140.0	<0.01		0.1		0.1	0.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
339	10.30	0.055	0.20	0.69							
4 207	9.63	0.055	0.20	0.69							
64	1.50	0.150	0.40	0.70	156	824	82	15 461	2 018.0	1980	83 12 - SUSP 83 12
64	5.80	0.050	0.40	0.82	72	869	59	11 933	1 753.1	1978	79 05 - SUSP 79 06
418					55	825	29	6 520	783.3	1966	82 08
192	3.74	0.170	0.29	0.86							
226	4.69	0.200	0.28	0.86							
64	2.16	0.150	0.50	0.86	64	825	29	6 370	766.0	1970	83 12 - SUSP 84 12
128	9.98	0.200	0.29	0.86	55	825	27	5 800	757.2	1972	85 12
64	1.50	0.220	0.45	0.81	64	876	43	9 300	1 296.8	1982	84 02 - SUSP 85 02
64	3.00	0.080	0.48	0.88	33	859	47	4 800	1 295.0	1985	85 09
64	4.50	0.270	0.50	0.77	40	871	51	6 546	1 254.6	1985	85 12 - GPP
64	9.50	0.070	0.40	0.85	65	869	43	9 641	1 251.8	1984	84 10 - GPP
64	3.00	0.110	0.35	0.70	68	825	62	22 888	2 461.5	1980	82 02
12 910					82	834	66	25 300	2 033.9	1956	81 12 - GPP
259	4.30	0.098	0.10	0.81							
12 651	2.50	0.108	0.10	0.81							
192	2.71	0.110	0.10	0.76	53	834	54	8 270	1 719.4	1961	84 12 - GPP
64	1.30	0.100	0.15	0.76	105	851	54	8 230	1 634.7	1982	84 03
110	1.22	0.160	0.30	0.79	82	834	66	28 270	2 082.7	1961	82 12 - GPP
212	6.64	0.030	0.30	0.70	89	815	49	28 270	2 235.4	1974	77 03 - GPP
64	3.00	0.220	0.20	0.75	85	827	70	27 598	2 171.5	1980	80 09
262	1.90	0.110	0.29	0.80	44	839	64	22 385	2 176.0	1964	86 09 - GPP
320	7.63	0.120	0.30	0.80	161	838	80	14 428	2 251.2	1982	86 06
64	1.60	0.080	0.40	0.79	84	838	80	16 046	2 290.2	1982	83 07
64	4.27	0.103	0.40	0.79	84	838	80	15 734	2 241.0	1983	84 04
64	5.97	0.077	0.44	0.85	48	811	72	15 905	2 270.0	1983	85 03
128	12.98	0.110	0.28	0.76	133	865	81	22 510	2 607.1	1963	86 10
669	4.63	0.120	0.20	0.76	121	860	71	19 510	2 114.1	1967	71 02
202	12.19	0.102	0.30	0.70	131	860	81	22 340	2 601.8	1974	76 06
128	1.68	0.110	0.15	0.75	46	815	60	20 590	1 720.6	1966	83 10
3 091	1.14	0.120	0.14	0.80	69	849	59	20 943	1 765.9	1966	86 12
981	0.91	0.104	0.15	0.75	53	815	63	20 586	1 676.7	1968	86 12 - GPP
64	1.50	0.160	0.15	0.80	80	844	52	14 260	1 650.7	1978	83 12 - GPP
64	1.00	0.130	0.13	0.80	85	850	50	14 150	1 637.5	1984	85 06
64	5.30	0.100	0.30	0.89	35	874	66	15 250	2 103.8	1977	79 01 - GPP
486	6.74	0.064	0.17	0.68	195	855	70	20 890	2 291.5	1968	81 12 - GPP
65	11.86	0.047	0.20	0.65	191	855	71	20 690	2 241.2	1965	68 05 - ABAND 67 09
462	11.00	0.092	0.15	0.68	191	855	79	21 100	2 325.1	1965	85 12 - GPP
128	11.40	0.090	0.29	0.68	154	853	79	20 813	2 328.8	1976	83 05
4 898					82	825	76	10 316	1 752.0	1978	86 11
1 203	3.91	0.090	0.65	0.81							
2 795	9.56	0.105	0.38	0.81							
804	3.33	0.120	0.37	0.81	74	807	60	10 725	1 737.4	1983	84 12
64	11.52	0.090	0.55	0.81	74	835	60	10 725	1 743.9	1985	85 06
607	1.94	0.065	0.37	0.80	130	813	65	13 110	1 641.8	1981	86 06
259	1.89	0.090	0.43	0.70	130	820	57	13 210	1 715.1	1980	85 04 - GPP
64	3.50	0.120	0.35	0.80	78	821	50	12 929	1 688.3	1983	83 12 - SUSP 85 04

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CYGNET 038-01W5 (CONTINUED)								
VIKING G	613.0	0.15		92.0		92.0	25.3	66.7
VIKING H	142.0	0.15		21.3		21.3	5.6	15.7
VIKING J	139.0	0.10		13.9		13.9	1.6	12.3
VIKING K	51.7	0.20		10.3		10.3	4.8	5.5
VIKING M	24.6	0.10		2.5		2.5	0.4	2.1
VIKING N	184.0	0.15		27.6		27.6	5.4	22.2
GLAUCONITIC A	36.3	<0.01		0.3		0.3	0.2	0.1
ELLERSLIE A	26.9	0.20		5.4		5.4	1.5	3.9
ELLERSLIE B	30.4	<0.01		0.1		0.1		0.1
ELLERSLIE C	76.4	0.15		11.5		11.5	1.1	10.4
CYN-PEM 051-11W5								
BELLY RIVER A	269.0	0.03		8.1		8.1	3.2	4.9
BELLY RIVER B	184.0	0.10		18.4		18.4	1.8	16.6
CARDIUM A TOTAL	6 480.0			776.0	1 470.0	2 246.0	1 984.2	261.8
PRIMARY AREA	70.0	<0.09		6.0		6.0		
WATER FLOOD AREA	6 410.0	<0.13	0.23	770.0	1 470.0	2 240.0		
CARDIUM B	736.0	0.12		88.3		88.3	38.8	49.5
CARDIUM C	1 450.0	<0.12		169.0	ERSO	169.0	116.0	53.0
CARDIUM D	3 270.0	0.12		392.0		392.0	187.3	204.7
CARDIUM E	3 360.0	0.12		403.0		403.0	124.5	278.5
CARDIUM F	54.1	0.12		6.5		6.5	0.2	6.3
CARDIUM J	239.0	0.05		12.0		12.0	2.1	9.9
CARDIUM L WATER FLOOD	1 000.0	0.12	0.23	120.0	230.0	350.0	73.9	276.1
CARDIUM M	652.0	0.12		78.2		78.2	13.7	64.5
CARDIUM N	185.0	0.10		18.5		18.5	2.0	16.5
CARDIUM O	1 520.0	0.10		152.0		152.0	47.0	105.0
CARDIUM P	1 580.0	0.12		190.0		190.0	19.1	170.9
CARDIUM Q	54.2	0.10		5.4		5.4	1.3	4.1
CARDIUM R	49.2	0.12		5.9		5.9	0.8	5.1
CARDIUM S	492.0	0.05		24.6		24.6	2.6	22.0
CARDIUM T	339.0	0.10		33.9		33.9	2.6	31.3
ELLERSLIE C	132.0	0.10		13.2		13.2	12.1	1.1
ROCK CREEK I	63.4	0.10		6.3		6.3	0.3	6.0
ROCK CREEK J	21.1	0.10		2.1		2.1		2.1
ROCK CREEK C & G	313.0	0.03		9.4		9.4	2.3	7.1
NISKU A WATER FLOOD	475.0	0.20	0.25	95.0	119.0	214.0	88.1	125.9
DAVEY 034-27W4								
BELLY RIVER B	2 500.0	0.05		125.0		125.0	53.3	71.7
BELLY RIVER F	614.0	0.05		30.7		30.7	14.0	16.7
BELLY RIVER G	316.0	0.03		9.5		9.5	3.1	6.4
PEKISKO A	3 110.0	0.06		187.0		187.0	128.2	58.8
PEKISKO C	183.0	0.05		9.2		9.2	2.5	6.7
D-2 A	112.0	<0.01		0.3		0.3	0.3	
D-2 B	278.0	<0.01		2.1		2.1	2.1	
DAWSON 080-17W5								
BEAVERHILL LAKE A	477.0	0.20		95.4		95.4	79.9	15.5
SLAVE POINT A	72.9	0.25		18.2		18.2	2.5	15.7
SLAVE POINT B	44.1	0.15		6.6		6.6	6.1	0.5
SLAVE POINT C	84.1	0.15		12.6		12.6	5.5	7.1
SLAVE POINT D	294.0	0.15		44.1		44.1	0.6	43.5
SLAVE POINT E	17.6	0.10		1.8		1.8	1.2	0.6
SLAVE POINT F	40.0	0.20		8.0		8.0	6.7	1.3
GRANITE WASH A	115.0	<0.02		1.5		1.5	1.5	
GRANITE WASH B	337.0	0.20		67.4		67.4	5.4	62.0
GRANITE WASH C	130.0	0.20		26.0		26.0	2.1	23.9
DEL BONITA 001-21W4								
RUNDLE	397.0	0.27		107.0		107.0	105.9	1.1
DELIA 032-18W4								
ELLERSLIE A	73.4	0.10		7.3		7.3	1.6	5.7
DIMSDALE 071-07W6								
HALFWAY A	183.0	0.05		9.2		9.2	2.9	6.3
HALFWAY B	82.1	0.10		8.2		8.2	4.8	3.4

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
1 088	1.60	0.080	0.45	0.80	100	820	65	12 850	1 634.1	1983	86 09
256	1.60	0.080	0.46	0.80	100	818	65	12 716	1 634.2	1984	86 01
64	4.40	0.100	0.35	0.76	130	798	44	7 753	1 723.0	1983	84 04
192	0.68	0.070	0.31	0.80	83	822	63	11 730	1 687.4	1984	85 11
64	1.00	0.080	0.40	0.80	99	803	44	12 850	1 670.2	1980	86 06
256	2.14	0.060	0.30	0.80	74	821	63	8 700	1 632.6	1985	86 12
32	1.50	0.140	0.35	0.83	68	923	62	12 760	1 832.0	1980	80 11 - ABAND 85 01
64	1.00	0.070	0.25	0.80	70	818	61	7 960	1 947.0	1985	86 03
64	1.10	0.090	0.40	0.80	80	865	58	11 500	1 813.2	1985	86 06 - SUSP 86 07
64	1.20	0.150	0.15	0.78	91	861	69	15 351	1 976.2	1985	86 08
64	5.30	0.167	0.40	0.79	87	810	48	8 191	1 206.0	1982	86 12
64	3.20	0.180	0.44	0.89	66	822	37	7 956	1 183.3	1982	83 06 - SUSP 84 12
1 447					52	844	56	19 130	1 643.6	1962	86 11
128	0.73	0.097	0.11	0.87							
1 319	6.47	0.097	0.11	0.87							
192	4.66	0.105	0.10	0.87	52	844	57	19 200	1 672.5	1963	85 08 - GPP
295	5.80	0.107	0.10	0.88	52	844	57	19 170	1 652.8	1963	86 11
711	7.35	0.090	0.22	0.89	41	868	54	12 879	1 559.2	1980	85 07
704	6.62	0.100	0.19	0.89	41	869	54	12 181	1 552.6	1982	85 09
64	1.20	0.100	0.20	0.88	52	878	56	10 794	1 544.4	1982	82 12
64	7.00	0.100	0.40	0.89	41	871	54	7 528	1 512.8	1982	85 12 - GPP
171	6.51	0.120	0.15	0.88	61	856	56	19 037	1 642.7	1983	85 07
192	8.23	0.060	0.20	0.86	53	845	36	10 234	1 792.1	1983	86 07
64	2.88	0.134	0.15	0.88	44	844	58	18 959	1 750.7	1984	85 03
256	8.84	0.100	0.21	0.85	45	844	52	10 011	1 567.0	1982	85 09
320	7.36	0.100	0.22	0.86	55	825	58	19 359	1 814.6	1982	85 12
64	1.72	0.070	0.20	0.88	44	860	58	9 791	1 770.8	1985	86 06
64	1.30	0.080	0.15	0.87	44	860	58	9 791	1 605.2	1985	86 10
128	4.78	0.110	0.15	0.86	61	856	56	12 495	1 792.0	1984	86 10
64	6.00	0.130	0.20	0.85	54	834	64	7 600	1 797.8	1980	82 03
64	2.80	0.120	0.15	0.72	384	787	91	18 892	2 380.5	1982	82 10
64	2.40	0.082	0.32	0.74	120	828	80	19 744	2 207.5	1983	84 04 - SUSP 86 04
64	0.80	0.082	0.32	0.74	120	828	80	19 662	2 197.9	1983	84 04
64	10.25	0.104	0.38	0.74	120	829	78	15 899	2 177.4	1981	85 12 - GPP
64	13.90	0.090	0.10	0.65	151	806	90	26 600	2 658.7	1978	80 12
384	6.30	0.185	0.40	0.93	17	840	44	4 130	1 211.7	1978	83 05
128	5.62	0.180	0.49	0.93	17	841	44	4 316	1 191.9	1978	85 12
64	4.94	0.185	0.40	0.90	26	854	43	3 961	1 206.5	1980	85 12
768	11.20	0.066	0.27	0.75	98	855	66	12 580	1 988.4	1958	81 12
64	13.60	0.040	0.30	0.75	85	854	59	11 665	1 990.7	1981	84 12 - SUSP 86 05
65	9.75	0.034	0.20	0.65	177	825	66	21 710	2 355.5	1974	78 07 - ABAND 77 12
65	16.46	0.049	0.18	0.65	220	825	66	21 580	2 354.9	1974	80 12 - ABAND 79 11
127	6.38	0.090	0.15	0.77	91		69	20 059	2 073.0	1953	86 02
64	2.80	0.066	0.23	0.80	72	839	67	19 515	2 123.5	1984	86 02
64	2.20	0.050	0.28	0.87	42	840	59	5 800	1 994.1	1982	86 02 - SUSP 86 04
64	2.30	0.105	0.32	0.80	70	840	71	20 406	2 122.7	1982	86 02
64	7.68	0.095	0.30	0.90	29	840	55	21 153	2 120.5	1983	86 02 - SUSP 86 05
64	0.88	0.060	0.40	0.87	42	837	53	18 438	2 073.3	1983	86 02 - SUSP 86 06
96	2.00	0.060	0.60	0.87	92	838	69	20 096	2 074.0	1980	86 02 - SUSP 86 06
64	3.00	0.120	0.45	0.91	28	831	50	16 338	2 094.0	1983	86 02 - SUSP 84 02
64	4.50	0.200	0.35	0.90	29	834	60	20 792	2 098.5	1983	86 02
64	3.10	0.100	0.25	0.87	38	840	72	21 264	2 097.4	1981	86 02 - SUSP 86 06
				0.85	62	839	44	8 270	1 568.8	1936	71 03 - GPP
64	1.50	0.180	0.50	0.85	25	866	39	9 304	1 327.8	1982	82 11 - GPP
64	6.80	0.084	0.35	0.77	108	820	78	21 897	2 148.8	1980	83 12
64	4.50	0.073	0.45	0.71	120	821	65	21 470	2 180.6	1980	82 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
DRUMHELLER 029-19W4								
MANNVILLE A	291.0	0.05		14.6		14.6	9.9	4.7
MANNVILLE F	450.0	0.01		4.5		4.5	4.3	0.2
MANNVILLE I	2 300.0	0.05		115.0		115.0	11.0	104.0
MANNVILLE K	228.0	<0.01		0.2		0.2	0.2	
MANNVILLE L	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE T	157.0	<0.06		7.8		7.8	2.7	5.1
MANNVILLE Y	265.0	<0.01		0.1		0.1		0.1
MANNVILLE Z	177.0	0.10		17.7		17.7	4.0	13.7
MANNVILLE AA	571.0	<0.01		0.2		0.2	0.2	
MANNVILLE BB	267.0	<0.01		0.2		0.2	0.2	
MANNVILLE DD	1 250.0	0.03		37.5		37.5	11.5	26.0
MANNVILLE FF	305.0	0.02		6.1		6.1	1.2	4.9
UPPER MANNVILLE A	524.0	0.15		78.6		78.6	54.8	23.8
UPPER MANNVILLE C	253.0	0.10		25.3		25.3	5.1	20.2
UPPER MANNVILLE D	36.9	0.10		3.7		3.7	0.7	3.0
LOWER MANNVILLE A	157.0	0.05		7.9		7.9	1.7	6.2
LOWER MANNVILLE C	532.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE G	367.0	0.10		36.7		36.7	0.1	36.6
LOWER MANNVILLE H	265.0	0.10		26.5		26.5	0.7	25.8
BANFF B	71.4	<0.01		0.1		0.1	0.1	
D-2 A	2 510.0	0.65		1 630.0		1 630.0	1 392.4	237.6
D-2 B	5 750.0	0.50		2 880.0		2 880.0	1 767.5	1 112.5
D-2 C	172.0	0.15		25.8		25.8	7.5	18.3
DUHAMEL 045-21W4								
WABAMUN A	48.0	<0.08		3.5		3.5	3.5	
D-2 A	2 000.0	0.51		1 020.0		1 020.0	981.2	38.8
D-3 A	191.0	<0.10		18.3		18.3	18.3	
D-3 B WATER FLOOD	2 240.0	0.50	0.15	1 120.0	336.0	1 460.0	1 284.2	175.8
EAGLESHAM 077-25W5								
DEBOLT D	149.0	<0.08		11.3		11.3	11.3	
D-1 A	217.0	0.30		65.1		65.1	31.3	33.8
D-1 B	504.0	0.10		50.4		50.4	16.5	33.9
D-3 A	734.0	0.40		294.0		294.0	266.0	28.0
EDSON 052-17W5								
CARDIUM A	84.7	0.15		12.7		12.7	9.2	3.5
CARDIUM B TOTAL	3 530.0			358.0	166.0	524.0	418.0	106.0
PRIMARY AREA	221.0	0.12		26.5		26.5		
WATER FLOOD AREA	3 310.0	0.10	0.05	331.0	166.0	497.0		
CARDIUM C	2 640.0	0.05		132.0		132.0	88.2	43.8
CARDIUM E	236.0	0.08		18.9		18.9	4.7	14.2
CARDIUM H	264.0	0.02		5.3		5.3	3.8	1.5
CARDIUM I	324.0	0.05		16.2		16.2	12.5	3.7
CARDIUM J	500.0	0.10		50.0		50.0	29.9	20.1
CARDIUM K	1 680.0	0.10		168.0		168.0	52.2	115.8
CARDIUM P	1 760.0	0.12		211.0		211.0	117.4	93.6
CARDIUM T	150.0	0.10		15.0		15.0	6.9	8.1
CARDIUM U	80.9	0.12		9.7		9.7	6.8	2.9
CARDIUM W	32.4	0.10		3.2		3.2		3.2
CARDIUM EE	55.9	0.10		5.6		5.6	2.5	3.1
CARDIUM II	99.1	0.10		9.9		9.9	3.8	6.1
CARDIUM JJ	250.0	0.10		25.0		25.0	10.1	14.9
CARDIUM KK	105.0	0.12		12.6		12.6	9.9	2.7
CARDIUM OO	38.4	0.15		5.8		5.8	2.8	3.0
CARDIUM SS	109.0	0.10		10.9		10.9	1.0	9.9
CARDIUM TT	12.8	0.20		2.6		2.6	1.8	0.8
CARDIUM UU	26.6	0.10		2.7		2.7	2.1	0.6
CARDIUM VV	42.9	0.10		4.3		4.3	3.4	0.9
CARDIUM XX	62.1	0.10		6.2		6.2	1.0	5.2
CARDIUM CC & WW	237.0	0.10		23.7		23.7	11.3	12.4
CARDIUM RR & ZZ	1 440.0	0.12		173.0		173.0	85.0	88.0
CARDIUM AAA	50.6	0.12		6.1		6.1		6.1
SECOND WHITE SPECKS A	349.0	0.10		34.9		34.9	10.3	24.6
VIKING C	224.0	<0.02		2.9		2.9	2.9	
BLUESKY A	3 800.0	0.05		190.0		190.0	72.1	117.9
GETHING C	130.0	0.10		13.0		13.0	6.0	7.0
CADOMIN A	108.0	<0.01		0.5		0.5	0.5	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
85	4.07	0.150	0.30	0.80	59	865	49	9 430	1 355.6	1950	83 06 - GPP
71	3.96	0.252	0.28	0.88	44	855	47	10 340	1 303.5	1969	85 07 - GPP
512	8.36	0.140	0.52	0.80	44	855	54	9 340	1 299.5	1966	86 10 - GPP
64	4.60	0.140	0.35	0.85	62	849	54	10 080	1 305.2	1968	79 11 - ABAND 82 05
65	4.27	0.200	0.40	0.80	71	855	56	9 430	1 310.9	1969	70 08 - SUSP 70 02
65	1.83	0.200	0.23	0.86				10 260	1 364.6	1975	77 04
64	7.00	0.100	0.35	0.91	28	887	54	6 300	1 250.3	1978	79 02 - ABAND 79 01
128	1.30	0.220	0.43	0.85	60	858	46	10 282	1 272.1	1978	84 06
64	15.90	0.120	0.45	0.85	54	885	46	7 120	1 321.4	1979	83 12 - SUSP 83 01
64	6.30	0.130	0.40	0.85	62	871	47	9 804	1 324.3	1980	83 12 - SUSP 81 06
128	15.90	0.140	0.46	0.81	78	825	47	9 468	1 162.9	1980	84 04 - GPP
64	4.50	0.210	0.37	0.80	78	877	41	9 262	1 324.3	1980	82 07 - SUSP 83 09
128	3.71	0.206	0.33	0.80	62	855	46	9 358	1 269.7	1969	83 06
64	4.70	0.210	0.50	0.80	79	869	50	10 500	1 318.2	1982	82 09
64	1.00	0.160	0.55	0.80	87	869	33	9 900	1 288.2	1979	83 05
64	3.56	0.140	0.44	0.88	51	850	40	9 340	1 270.5	1981	83 12 - GPP
64	11.80	0.160	0.50	0.88	43	844	40	9 180	1 139.9	1982	83 03 - SUSP 83 03
64	8.00	0.110	0.26	0.88	43	887	43	7 100	1 306.0	1984	86 03
64	8.40	0.140	0.60	0.88	43	879	43	7 100	1 266.2	1985	86 03
64	2.80	0.070	0.33	0.85	50	876	50	8 903	1 321.4	1979	83 12 - ABAND 80 08
605	7.63	0.078	0.17	0.84	66	860	55	13 170	1 655.1	1951	75 04
1 226	9.29	0.076	0.18	0.81	70	855	54	13 200	1 613.7	1962	84 12
64	5.00	0.080	0.20	0.84	66	858	55	12 934	1 625.5	1981	83 12 - GPP
65	1.22	0.100	0.30	0.87	44	844	71	8 960	1 374.6	1956	67 02 - SUSP 69 02
507	10.36	0.058	0.20	0.82	68	844	54	10 340	1 375.3	1951	81 12 - GPP
272	4.48	0.028	0.30	0.80	79	844	57	12 890	1 472.2	1956	64 04 - ABAND 69 12
212	20.52	0.073	0.14	0.82	79	844	56	12 930	1 461.2	1950	85 07
64	8.31	0.050	0.20	0.70	149	829	51	10 450	1 497.8	1968	83 12 - SUSP 81 02
64	23.00	0.040	0.45	0.67	167	826	64	21 977	2 047.3	1980	85 05
64	19.60	0.080	0.25	0.67	163	835	64	21 777	2 053.1	1981	83 10
191	10.33	0.062	0.13	0.69	154	820	74	25 060	2 307.0	1959	78 12 - GPP
65	1.52	0.130	0.13	0.76	104	825	61	21 720	1 785.8	1963	86 11 - GPP
2 522					104	825	61	22 410	1 843.7	1963	78 12 - GPP
253	1.37	0.101	0.17	0.76							
2 269	2.29	0.101	0.17	0.76							
2 495	2.40	0.090	0.21	0.62	230	815	64	23 250	1 984.1	1972	83 07 - GPP
192	1.79	0.110	0.18	0.76	103	825	60	19 974	1 922.0	1974	84 09
128	2.90	0.120	0.22	0.76	104	788	77	23 020	1 974.3	1972	83 12 - GPP
608	1.27	0.090	0.25	0.62	208	815	60	23 180	1 947.4	1974	84 05
516	1.50	0.100	0.15	0.76	180	802	55	20 800	1 895.6	1978	81 12
2 691	1.31	0.110	0.30	0.62	220	813	83	21 816	1 957.2	1973	84 05
2 348	1.84	0.094	0.30	0.62	220	805	83	23 316	1 984.3	1981	84 05
97	2.00	0.150	0.15	0.61	200	800	53	20 900	1 909.7	1981	82 12
64	2.00	0.120	0.15	0.62	185	800	63	19 361	1 899.5	1981	86 12
64	0.98	0.080	0.15	0.76	105	802	62	20 800	1 896.3	1981	82 07
64	2.40	0.069	0.15	0.62	190	813	69	21 760	2 002.1	1982	82 11
64	2.70	0.090	0.15	0.75	104	825	63	19 382	1 905.9	1981	83 12
221	2.00	0.095	0.15	0.70	104	800	64	22 739	1 940.2	1980	83 12
64	1.90	0.150	0.07	0.62	195	800	65	16 297	1 900.2	1982	85 12
64	1.40	0.080	0.15	0.63	189	819	64	19 229	1 868.0	1982	84 12
64	3.00	0.110	0.18	0.63	189	819	64	19 900	1 918.3	1983	83 10
64	0.33	0.110	0.15	0.65	186	824	65	21 374	1 917.3	1983	85 12
64	0.79	0.100	0.15	0.62	186	824	65	21 050	1 969.5	1981	84 01
64	1.20	0.120	0.25	0.62	189	815	64	17 670	1 916.4	1963	84 02
64	1.30	0.130	0.18	0.70	153	821	64	18 370	1 865.2	1984	85 01
512	0.88	0.100	0.26	0.71	122	809	63	21 587	1 965.6	1974	84 10
2 083	1.41	0.100	0.27	0.67	189	817	64	17 626	1 870.7	1983	86 07
64	1.70	0.112	0.33	0.62	220	813	83	21 816	1 955.0	1985	85 09
64	4.60	0.220	0.24	0.71	120	800	65	25 286	2 101.3	1981	83 02
64	4.00	0.160	0.30	0.78	80	820	88	29 610	2 690.9	1976	81 12 - SUSP 81 01
448	13.94	0.100	0.24	0.80	120	802	76	22 130	2 567.0	1979	86 12
64	5.30	0.100	0.25	0.51	308	804	82	22 870	2 539.3	1978	79 03
64	2.00	0.150	0.20	0.70	140	800	97	22 070	1 995.6	1981	82 04 - SUSP 84 02

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ELLERSLIE 051-24W4								
BLAIRMORE A	79.6	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186.0	<0.32		59.2		59.2	59.2	
ELMWORTH 070-11W6								
DOE CREEK A	160.0	0.10		16.0		16.0	1.1	14.9
CHARLIE LAKE A	2 780.0	0.15		417.0		417.0	121.6	295.4
CHARLIE LAKE B	114.0	<0.02		1.3		1.3	1.3	
ENCHANT 012-16W4								
UPPER MANNVILLE K	856.0	0.01		8.6		8.6	2.7	5.9
LOWER MANNVILLE I	56.0	0.10		5.6		5.6	3.3	2.3
ARCS A	156.0	0.15		23.4		23.4	4.0	19.4
ENTICE 027-24W4								
LOWER MANNVILLE A	331.0	0.02		6.6		6.6	3.7	2.9
PEKISKO A	260.0	0.03		7.8		7.8	3.4	4.4
ERSKINE 039-20W4								
BLAIRMORE F	192.0	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193.0	0.10		19.3		19.3	1.0	18.3
BLAIRMORE J	465.0	0.10		46.5		46.5	14.1	32.4
BLAIRMORE P	150.0	0.10		15.0		15.0	0.4	14.6
BLAIRMORE W	206.0	0.10		20.6		20.6	0.3	20.3
GLAUCONITIC E	178.0	<0.01		0.1		0.1		0.1
GLAUCONITIC F	201.0	0.10		20.1		20.1	2.5	17.6
GLAUCONITIC I	149.0	<0.01		0.3		0.3	0.3	
D-2	456.0	0.10		45.6		45.6	39.4	6.2
D-2 B	59.3	<0.01		0.4		0.4	0.4	
D-2 C	41.6	0.10		4.2		4.2	0.8	3.4
D-2 E	116.0	<0.01		0.1		0.1		0.1
D-3	6 390.0	0.60		3 830.0		3 830.0	3 533.9	296.1
ESTHER 032-02W4								
VIKING A	440.0	<0.01		0.7		0.7	0.7	
VIKING B & C	840.0	0.10		84.0		84.0	11.4	72.6
ESTUARY 023-22W4								
BASAL QUARTZ A	200.0	<0.01		0.1		0.1		0.1
ETHEL 067-08W5								
BEAVERHILL LAKE A	1 290.0	0.01		12.9		12.9	8.8	4.1
EVI 087-13W5								
SLAVE POINT A	880.0	0.30		264.0		264.0	81.1	182.9
SLAVE POINT B	1 210.0	0.35		424.0		424.0	86.6	337.4
SLAVE POINT C	280.0	0.15		42.0		42.0	10.6	31.4
SLAVE POINT D	216.0	0.10		21.6		21.6	11.8	9.8
SLAVE POINT E	66.4	0.10		6.6		6.6	1.4	5.2
SLAVE POINT F	118.0	<0.03		2.5		2.5	2.5	
SLAVE POINT H	1 050.0	0.30		315.0		315.0	38.9	276.1
SLAVE POINT I	153.0	0.20		30.6		30.6	7.0	23.6
SLAVE POINT K	1 410.0	0.20		282.0		282.0	17.6	264.4
SLAVE POINT L	185.0	0.30		55.5		55.5	10.4	45.1
SLAVE POINT M	62.9	0.30		18.9		18.9	2.6	16.3
SLAVE POINT N	849.0	0.20		170.0		170.0	9.7	160.3
SLAVE POINT O	145.0	0.15		21.8		21.8	0.3	21.5
GILWOOD A	952.0	0.20		190.0		190.0	97.0	93.0
GILWOOD B	234.0	0.20		46.8		46.8	19.0	27.8
GILWOOD D	327.0	0.20		65.4		65.4	26.5	38.9
GILWOOD G	53.2	0.20		10.6		10.6	8.1	2.5
GILWOOD H	214.0	0.20		42.8		42.8	6.1	36.7
GILWOOD I	669.0	0.25		167.0		167.0	68.0	99.0
GILWOOD J	237.0	<0.01		0.9		0.9	0.9	
GILWOOD K	292.0	0.10		29.2		29.2	7.4	21.8
GILWOOD L	127.0	0.20		25.4		25.4	11.9	13.5
GILWOOD M	309.0	0.20		61.8		61.8	16.2	45.6
GILWOOD O	351.0	0.20		70.2		70.2	41.2	29.0
GILWOOD P	210.0	0.20		42.0		42.0	7.3	34.7
GILWOOD Q	86.7	0.20		17.3		17.3	6.3	11.0
GILWOOD R	45.4	0.20		9.1		9.1	1.9	7.2
GILWOOD S	13.0	0.20		2.6		2.6	1.8	0.8
GILWOOD T	60.3	0.20		12.1		12.1		12.1

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
83	0.91	0.200	0.30	0.75	46	876	47	8 820	1 188.4	1950	71 05 - ABAND 70 07
135	1.43	0.173	0.36	0.87	46	876	47	8 860	1 184.8	1951	74 04 - ABAND 74 03
64	2.30	0.190	0.35	0.88	50	840	39	9 711	1 167.7	1982	85 12
768	5.90	0.100	0.16	0.73	114	820	85	3 100	2 396.7	1979	84 11
64	3.40	0.110	0.32	0.70	83	803	18	21 751	2 255.8	1979	83 12 - SUSP 81 03
64	11.30	0.190	0.30	0.89	44	891	33	11 800	1 044.7	1982	86 12
16	3.50	0.230	0.50	0.87	53	872	28	6 571	988.3	1985	86 06
64	2.62	0.132	0.20	0.88	50	887	35	8 300	1 326.0	1985	86 01 - SUSP 86 08
64	3.00	0.260	0.21	0.84	67	884	44	10 850	1 575.8	1976	82 12 - GPP
64	10.00	0.090	0.45	0.82	52	887	53	11 703	1 689.2	1980	83 12 - GPP
64	3.10	0.190	0.42	0.88	48	899	50	9 900	1 385.1	1978	79 05 - ABAND 83 09
64	2.20	0.200	0.22	0.88	121	875	52	10 119	1 334.1	1980	85 05
192	2.29	0.190	0.36	0.87	47	880	46	9 991	1 340.2	1982	84 06
64	2.80	0.190	0.50	0.88	48	875	37	8 075	1 379.8	1984	85 03 - SUSP 86 08
64	3.30	0.190	0.39	0.84	64	900	54	10 184	1 348.1	1985	86 01
64	2.40	0.200	0.30	0.83	68	877	44	9 797	1 329.9	1973	83 04 - ABAND 85 04
64	2.70	0.200	0.30	0.83	75	870	50	9 475	1 318.0	1981	81 07
64	2.40	0.180	0.35	0.83	68	877	44	9 360	1 334.7	1973	84 05 - SUSP 84 05
58	17.37	0.067	0.15	0.80	76	887	60	11 960	1 577.6	1959	73 12 - GPP
16	9.50	0.065	0.25	0.80	77		61	10 418	1 573.3	1980	84 12 - SUSP 84 03
32	3.19	0.060	0.15	0.80	54	887	60	11 304	1 576.2	1955	84 01 - GPP
64	2.99	0.100	0.24	0.80	84	887	48	11 035	1 582.8	1984	85 02 - SUSP 84 10
1 720	8.60	0.062	0.15	0.82	84	887	61	15 270	1 642.0	1953	82 12 - GPP
256	1.67	0.220	0.48	0.90	38	871	29	6 696	710.0	1969	86 04 - SUSP 84 09
444	1.68	0.220	0.43	0.90	44	849	27	6 574	713.3	1974	86 03 - GPP
64	4.50	0.150	0.45	0.84	68	877	46	10 570	1 517.3	1980	83 12 - SUSP 81 11
519	7.19	0.057	0.17	0.73	99	815	67	21 550	2 292.7	1964	76 04 - GPP
384	5.64	0.062	0.28	0.91	171	833	38	16 364	1 573.8	1979	83 10
705	3.86	0.065	0.25	0.91	30	833	38	16 257	1 555.3	1979	82 10
64	5.00	0.120	0.20	0.91	33	833	38	15 810	1 576.5	1981	85 12
64	6.50	0.090	0.27	0.79	94	861	49	15 650	1 584.3	1982	86 12
64	3.00	0.060	0.27	0.79	94	833	49	15 649	1 528.3	1982	85 12 - GPP
64	4.00	0.080	0.27	0.79	94	833	49	15 926	1 543.0	1982	86 12 - SUSP 84 06
192	9.70	0.080	0.19	0.87	40	842	36	16 422	1 553.3	1983	85 05
64	6.00	0.060	0.27	0.91	32	833	38	16 793	1 545.0	1982	82 10 - SUSP 86 04
448	8.58	0.063	0.36	0.91	34	828	47	4 650	1 507.4	1980	86 06
64	13.60	0.039	0.40	0.91	42	827	66	15 558	1 507.3	1981	81 08
64	5.40	0.040	0.50	0.91	33	835	38	15 404	1 508.0	1983	84 01
192	10.68	0.078	0.41	0.90	33	794	40	14 997	1 483.1	1983	86 05
64	7.50	0.056	0.40	0.90	33	832	40	15 117	1 472.8	1984	86 02 - SUSP 86 03
377	2.32	0.200	0.31	0.79	57	820	41	16 745	1 587.0	1982	82 10
64	4.20	0.150	0.30	0.83	57	820	41	16 291	1 601.0	1982	82 06
192	2.25	0.140	0.35	0.83	66	833	41	16 333	1 645.6	1981	82 10
64	2.17	0.087	0.50	0.88	44	835	44	16 388	1 584.6	1982	84 05
64	2.10	0.240	0.20	0.83	66	833	36	16 754	1 593.8	1981	82 08
212	3.08	0.180	0.28	0.79	14	833	43	16 582	1 585.3	1979	82 10
64	2.70	0.220	0.25	0.83	62	835	43	16 366	1 575.7	1981	84 12 - SUSP 83 07
64	3.50	0.215	0.27	0.83	62	835	43	16 333	1 568.0	1981	84 12
64	2.50	0.120	0.25	0.88	36	882	42	15 410	1 590.7	1982	83 02
64	4.30	0.170	0.25	0.88	36	882	42	16 251	1 582.5	1982	83 02
194	2.43	0.130	0.35	0.88	36	846	42	16 365	1 578.0	1981	86 12
64	3.00	0.180	0.30	0.87	46	833	73	16 439	1 607.5	1982	82 10
64	2.00	0.110	0.30	0.88	36		42	16 029	1 598.9	1982	83 08
64	1.40	0.080	0.28	0.88	44	854	42	13 115	1 614.3	1982	83 08
64	0.82	0.040	0.30	0.88	44	854	39	5 600	1 613.0	1982	85 12
64	1.70	0.090	0.30	0.88	36	845	42	14 804	1 632.9	1983	84 02

TABLE 2-4

	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
FIELD POOL	INITIAL VOLUME IN PLACE 10³m³	PRIMARY frac	ENHANCED frac	PRIMARY 10³m³	ENHANCED 10³m³	TOTAL 10³m³	CUMULATIVE PRODUCTION 10³m³	REMAINING ESTABLISHED RESERVES 10³m³
EVI 087-13W5 (CONTINUED)								
GILWOOD U	238.0	0.20		47.6		47.6	10.1	37.5
GRANITE WASH G	50.0	0.20		10.0		10.0	8.0	2.0
GRANITE WASH H	180.0	0.20		36.0		36.0	15.1	20.9
GRANITE WASH I	50.0	0.20		10.0		10.0	8.4	1.6
GRANITE WASH K	50.0	0.20		10.0		10.0	5.6	4.4
GRANITE WASH L	329.0	0.20		65.8		65.8	13.0	52.8
GRANITE WASH M	35.0	0.20		7.0		7.0	4.8	2.2
GRANITE WASH N	3 470.0	0.25		868.0		868.0	91.3	776.7
GRANITE WASH P	4 416.0	0.25		1 104.0		1 104.0		1 104.0
EWING LAKE 037-21W4								
D-2 C	448.0	0.35		157.0		157.0	142.8	14.2
D-2 D	1 500.0	0.30		450.0		450.0	342.7	107.3
D-2 E	11.3	0.30		3.4		3.4	1.3	2.1
D-3 A	516.0	0.55		284.0		284.0	271.5	12.5
D-3 B	252.0	0.20		50.4		50.4	19.9	30.5
EXCELSIOR 056-24W4								
MANNVILLE A	1 800.0	<0.01		0.7		0.7	0.7	
D-2	6 200.0	0.68		4 210.0		4 210.0	4 192.7	17.3
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234.0	0.10		23.4		23.4	20.[illegible]	3.4
MIDDLE VIKING C	36.9	<0.10		3.4		3.4	3.4	
BASAL MANNVILLE A	287.0	0.05		14.4		14.4	0.8	13.6
BASAL MANNVILLE C	1 340.0	0.08		107.0		107.0	79.9	27.1
BASAL MANNVILLE H	350.0	0.10		35.0		35.0	0.5	34 5
D-2 A	1 030.0	<0.13		124.3		124.3	124.3	
D-2 B	671.0	0.45		302.0		302.0	291.5	10.5
D-3 A	2 770.0	0.72		2 000.0		2 000.0	1 797.6	202.4
FARRELL 034-16W4								
LOWER MANNVILLE A	104.0	<0.01		0.1		0.1	0.1	
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 600.0	0.60		1 560.0		1 560.0	1 254.6	305.4
D-2 B	154.0	<0.03		3.1		3.1	3.1	
D-2 C	690.0	0.15		104.0		104.0	39.4	64.6
D-2 D	397.0	0.30		119.0		119.0	29.0	90.0
D-2 E	400.0	0.40		160.0		160.0	33.0	127.0
D-3 A	559.0	0.10		55.9		55.9	37.7	18.2
D-3 B	154.0	0.05		7.7		7.7	4.2	3.5
D-3 C	375.0	0.40		150.0		150.0	109.3	40.7
D-3 D	79.7	0.05		4.0		4.0	0.1	3.9
D-3 E	1 480.0	0.40		592.0		592.0	263.5	328.5
D-3 F	549.0	0.25		137.0		137.0	15.3	121.7
D-3 G	987.0	0.25		247.0		247.0	11.1	235.9
FENN-BIG VALLEY 035-20W4								
VIKING D	185.0	0.10		18.5		18.5	0.6	17.9
BLAIRMORE B	357.0	0.01		3.6		3.6	2.3	1.3
UPPER MANNVILLE A	168.0	0.10		16.8		16.8	1.7	15.1
D-2 A TOTAL	75 200.0			51 300.0	500.0	51 800.0	45 998.6	5 801.4
PRIMARY AREA	69 500.0	0.70		48 700.0		48 700.0		
SOLVENT FLOOD AREA	5 670.0	<0.47	0.09	2 640.0	500.0	3 140.0		
D-2 B	99.5	<0.02		1.1		1.1	1.1	
BIG VALLEY D-3 A	642.0	0.75		482.0		482.0	407.7	74.3
BIG VALLEY D-3 B	261.0	0.45		117.0		117.0	90.1	26.9
FENN D-3 C	110.0	0.25		27.5		27.5	21.1	6.4
FENN D-3 E	329.0	0.17		55.9		55.9	43.4	12.5
FENN D-3 F	3 000.0	0.75		2 250.0		2 250.0	1 975.3	274.7
D-3 G	260.0	0.25		65.0		65.0	11.4	53.6
D-3 H	47.7	0.25		11.9		11.9		11.9
FERRIER 040-08W5								
BELLY RIVER A	4 130.0	<0.09		331.0		331.0	279.1	51.9
BELLY RIVER B	522.0	0.05		26.0		26.0	8.5	17.5
BELLY RIVER C	358.0	0.10		35.8		35.8	16.4	19.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.00	0.170	0.17	0.88	44	831	40	15 813	1 566.0	1984	85 02
42	2.20	0.100	0.40	0.90	33	833	43	16 464	1 597.4	1982	85 05
64	2.80	0.210	0.45	0.87	45	845	45	5 850	1 608.9	1982	82 07
16	5.00	0.100	0.25	0.83	61	833	44	16 704	1 607.5	1982	85 05
21	3.70	0.130	0.45	0.90	34	845	43	16 292	1 602.0	1982	85 05
64	6.50	0.160	0.45	0.90	34	845	43	16 940	1 608.3	1982	83 08
25	2.00	0.150	0.48	0.90	64	844	43	16 430	1 612.8	1983	85 05
592	4.57	0.210	0.29	0.86	55	835	32	6 000	1 514.8	1985	86 07
320	11.12	0.200	0.27	0.85	57	824	37	9 605	1 500.9	1986	86 12
379	2.56	0.067	0.16	0.82	66	855	66	12 480	1 637.7	1960	75 12 - GPP
673	4.80	0.070	0.17	0.80	66	876	66	12 550	2 292.7	1953	79 02
64	1.10	0.040	0.50	0.80	66	876	66	12 605	1 636.1	1981	85 08 - GPP
322	4.18	0.057	0.18	0.82	69	870	60	13 100	1 670.0	1953	79 12 - GPP
32	18.50	0.070	0.26	0.82	71	844	58	12 453	1 668.9	1980	84 10
797	2.13	0.204	0.35	0.80	30	876	38	6 900	1 072.3	1953	84 12 - SUSP 80 03
599	23.07	0.060	0.15	0.88	39	844	48	8 650	1 182.3	1949	78 08 - GPP
100	1.83	0.200	0.20	0.80	43	860	38	6 170	836.4	1953	84 12 - GPP
64	0.90	0.200	0.60	0.80	43	860	38	5 500	843.0	1961	85 09
32	5.80	0.240	0.30	0.92	40	909	38	6 605	1 049.6	1953	84 04 - SUSP 84 03
112	7.94	0.220	0.25	0.91	35	887	42	7 250	1 066.2	1965	81 12 - GPP
32	6.00	0.260	0.22	0.90	40	900	32	7 221	1 066.8	1976	85 07 - SUSP 85 09
306	5.18	0.083	0.15	0.92	27	870	42	7 760	1 093.6	1949	64 04 - ABAND 62 01
214	7.19	0.057	0.17	0.92	27	870	41	8 170	1 148.2	1954	68 02 - GPP
405	13.75	0.063	0.15	0.93	33	898	47	9 100	1 226.5	1953	85 05
64	2.40	0.130	0.40	0.87	42	890	70	8 726	1 220.8	1976	82 09 - SUSP 80 12
5	7.93	0.070	0.50	0.85	71	855	44	7 660	1 422.2	1977	79 10 - ABAND 81 02
1 202	6.40	0.056	0.24	0.80	81	860	61	12 410	1 699.9	1961	84 11
64	5.00	0.090	0.35	0.82	20	866	33	11 901	1 633.5	1980	80 09 - ABAND 82 06
128	12.19	0.070	0.22	0.81	73	846	62	12 300	1 725.2	1982	86 12
64	14.10	0.067	0.20	0.82	70	847	63	12 435	1 743.4	1982	83 04
84	12.40	0.058	0.22	0.84	73	865	62	12 483	1 730.6	1983	84 08
64	15.50	0.080	0.20	0.88	35	849	55	12 891	1 783.2	1982	86 12
64	7.26	0.048	0.15	0.81	89	858	58	12 620	1 754.6	1982	86 12
14	40.20	0.091	0.10	0.80	67	860	61	13 094	1 820.6	1982	85 03
64	5.00	0.040	0.25	0.83	67	893	60	10 052	1 804.8	1982	83 03 - SUSP 82 12
56	55.13	0.069	0.14	0.81	76	848	65	13 111	1 794.7	1983	86 05
64	21.60	0.062	0.21	0.81	76	861	67	12 895	1 801.8	1984	85 04
64	24.00	0.103	0.23	0.81	75	860	65	12 176	1 793..7	1985	85 11
64	3.50	0.170	0.40	0.81	70	857	60	6 405	1 195.6	1954	82 11 - SUSP 84 09
64	5.10	0.200	0.25	0.73	90	846	47	8 906	1 292.6	1952	84 12 - SUSP 85 04
64	2.00	0.230	0.32	0.84	53	890	39	7 861	1 200.0	1984	86 05
6 280					77	865	58	12 480	1 612.1	1950	83 10
5 248	16.70	0.110	0.11	0.81							
1 032	9.62	0.082	0.14	0.81							
64	4.63	0.060	0.30	0.80	78	855	52	12 920	1 652.2	1976	78 04 - SUSP 81 02
369	4.42	0.060	0.20	0.82	76	849	58	12 820	1 637.7	1950	86 12 - GPP
119	3.81	0.085	0.15	0.80	80	876	59	12 510	1 644.1	1954	65 02 - GPP
101	2.44	0.067	0.18	0.81	73	892	60	12 410	1 645.3	1965	85 12
182	3.05	0.085	0.15	0.82	73	865	58	12 760	1 620.3	1953	81 12 - GPP
626	6.64	0.100	0.12	0.82	73	898	61	12 690	1 651.7	1954	84 11 - GPP
128	3.40	0.090	0.27	0.80	73	904	41	12 560	1 584.7	1952	84 12 - SUSP 84 12
16	3.10	0.120	0.12	0.91	38	960	57	11 725	1 646.5	1983	83 09 - SUSP 85 02
1 212	4.51	0.130	0.30	0.83	62	820	59	9 620	1 713.3	1967	77 05
64	10.80	0.130	0.30	0.83	62	820	57	9 840	1 659.9	1967	80 05
65	7.32	0.130	0.30	0.83	66	829	54	8 430	1 627.0	1975	76 01 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
FERRIER 040-08W5 (CONTINUED)								
BELLY RIVER D	40.0	0.15		6.0		6.0	4.4	1.6
BELLY RIVER E	937.0	<0.01		0.5		0.5	0.5	
BELLY RIVER F	95.6	0.08		7.6		7.6	0.7	6.9
BELLY RIVER G	798.0	0.10		79.8		79.8	16.1	63.7
BELLY RIVER H	36.6	0.10		3.7		3.7	0.2	3.5
CARDIUM C	64.5	0.10		6.5		6.5	5.9	0.6
CARDIUM D TOTAL	18 900.0			942.0	2 200.0	3 142.0	1 693.4	1 448.6
PRIMARY AREA	1 240.0	0.05		62.0		62.0		
WATER FLOOD AREA	17 700.0	0.05	0.12	880.0	2 200.0	3 080.0		
CARDIUM E TOTAL	31 300.0			2 480.0	2 440.0	4 920.0	2 436.2	2 483.8
PRIMARY AREA	857.0	0.05		43.0		43.0		
WATER FLOOD AREA	30 400.0	0.08	0.08	2 440.0	2 440.0	4 880.0		
CARDIUM F	94.7	<0.01		0.6		0.6	0.6	
CARDIUM R	40.6	<0.05		1.8		1.8	1.8	
CARDIUM U	182.0	0.10		18.2		18.2	3.3	14.9
CARDIUM X	185.0	<0.01		0.4		0.4	0.4	
CARDIUM BB	140.0	0.10		14.0		14.0	0.2	13.8
CARDIUM GG	126.0	0.10		12.6		12.6	0.1	12.5
CARDIUM G&L TOTAL	23 200.0			1 070.0	2 500.0	3 570.0	1 051.4	2 518.6
PRIMARY AREA	4 550.0	0.03		137.0		137.0		
WATER FLOOD AREA	18 600.0	0.05	0.14	930.0	2 500.0	3 430.0		
CARDIUM BN & VIKING A	2 880.0	0.15		432.0		432.0	325.9	106.1
VIKING C	76.8	0.15		11.5		11.5	9.3	2.2
VIKING D	65.9	0.15		9.9		9.9	4.6	5.3
VIKING E	61.3	0.10		6.1		6.1	3.0	3.1
VIKING F	30.7	0.25		7.7		7.7	6.0	1.7
ELLERSLIE C	311.0	0.10		31.1		31.1	4.6	26.5
ROCK CREEK B	107.0	0.10		10.7		10.7	0.2	10.5
SHUNDA A	132.0	<0.01		0.4		0.4	0.4	
FERRYBANK 044-27W4								
BELLY RIVER C	2 200.0	0.10		220.0		220.0	19.8	200.2
BELLY RIVER E	1 034.0	0.10		103.0		103.0	14.5	88.5
GLAUCONITIC C	396.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	226.0	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	155.1	0.05		7.8		7.8	1.2	6.6
LOWER MANNVILLE M	326.0	<0.01		1.4		1.4	1.4	
BANFF C	285.0	0.05		14.3		14.3	0.5	13.8
BANFF D	183.0	0.10		18.3		18.3	2.9	15.4
FIR 059-21W5								
CARDIUM A	135.0	0.10		13.5		13.5	4.3	9.2
FIRE 113-07W6								
KEG RIVER A	256.0	0.10		25.6		25.6	11.7	13.9
KEG RIVER B	136.0	<0.01		0.3		0.3	0.3	
KEG RIVER C	227.0	0.20		45.4		45.4	19.2	26.2
FOURTH 082-09W6								
HALFWAY A	712.0	0.15		107.0		107.0	4.2	102.8
FOX CREEK 062-18W5								
GETHING A	269.0	0.20		53.8		53.8	1.4	52.4
GETHING B	980.0	0.03		29.4		29.4	13.5	15.9
BEAVERHILL LAKE A WATER FLOOD	1 500.0	0.05	0.20	75.0	300.0	375.0	220.8	154.2
GALAHAD 041-15W4								
ELLERSLIE A	112.0	0.10		11.2		11.2	2.1	9.1
CAMROSE A	127.0	0.15		19.1		19.1	8.7	10.4
GARRINGTON 034-04W5								
CARDIUM C	376.0	0.10		37.6		37.6	28.2	9.4
CARDIUM F	141.0	<0.01		0.1		0.1	0.1	
CARDIUM G	114.0	<0.01		1.0		1.0	1.0	
CARDIUM H	23.8	<0.02		0.3		0.3	0.3	
CARDIUM I	197.0	0.10		19.7		19.7	5.1	14.6
CARDIUM J	47.9	0.10		4.8		4.8	1.0	3.8
CARDIUM L	95.7	0.10		9.6		9.6	1.7	7.9
CARDIUM M	181.0	0.10		18.1		18.1	1.0	17.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.45	0.130	0.60	0.83	67	898	57	9 527	1 717.6	1980	86 12 - GPP
64	12.00	0.210	0.30	0.83	70	898	50	9 866	1 715.5	1980	84 12 - ABAND 82 07
64	3.00	0.120	0.50	0.83	54	830	57	8 965	1 615.8	1982	83 04 - SUSP 85 08
256	6.10	0.110	0.44	0.83	61	835	55	9 262	1 699.0	1982	84 03
64	1.13	0.111	0.45	0.83	61	834	55	8 992	1 703.2	1984	85 10
69	1.40	0.120	0.20	0.75	166	806	71	23 170	2 184.5	1961	82 12 - GPP
6 912					169	825	77	21 510	2 093.4	1963	86 07
512	3.21	0.130	0.12	0.66							
6 400	3.15	0.151	0.12	0.66							
6 285					198	811	54	21 750	2 135.4	1965	85 08
448	2.45	0.148	0.12	0.60							
5 837	6.66	0.148	0.12	0.60							
65	1.52	0.140	0.12	0.78	133	834	52	21 130	2 008.6	1958	69 05 - SUSP 68 11
64	1.50	0.080	0.20	0.66	209	817	74	23 240	2 318.0	1976	83 12 - SUSP 80 08
64	5.52	0.096	0.20	0.67	218	824	71	24 764	2 283.4	1976	81 02 - GPP
64	4.40	0.123	0.15	0.63	175		75	21 239	2 204.6	1980	83 12 - SUSP 81 11
64	2.95	0.140	0.20	0.66	150	813	70	20 153	2 303.7	1976	82 05 - SUSP 82 06
64	2.40	0.140	0.15	0.69	180	806	70	21 760	2 199.0	1980	84 10 - SUSP 84 08
10 008					190	806	70	21 600	2 180.3	1967	85 08
2 029	3.35	0.125	0.15	0.63							
7 979	3.30	0.132	0.15	0.63							
6 066	1.50	0.078	0.30	0.58	273	811	78	28 750	2 499.1	1955	84 12 - GPP
64	2.50	0.100	0.20	0.60	190		73	26 204	2 461.8	1979	83 12
64	3.00	0.075	0.25	0.61	217	823	81	26 080	2 377.9	1982	85 12
64	2.00	0.090	0.25	0.71	134	836	93	25 610	2 502.0	1979	84 10
64	1.00	0.090	0.25	0.71	140	815	84	26 145	2 483.7	1985	86 12
64	7.15	0.130	0.13	0.60	190	797	84	21 000	2 667.5	1979	86 09
64	3.50	0.085	0.24	0.74	120	828	70	19 000	2 563.9	1982	83 04 - SUSP 83 05
65	5.18	0.083	0.25	0.63	195	815	81	22 510	2 602.7	1965	67 04 - ABAND 67 11
384	6.56	0.200	0.52	0.91	28	850	38	5 736	1 006.1	1985	86 08
320	3.94	0.170	0.47	0.91	34	850	80	4 000	970.4	1985	86 11
64	5.30	0.180	0.19	0.80	88	860	30	11 000	1 734.9	1985	85 11 - SUSP 85 10
64	4.00	0.160	0.31	0.80	82	860	60	10 430	1 705.0	1979	79 10 - SUSP 82 07
53	2.50	0.190	0.23	0.80	76	894	57	12 454	1 682.0	1982	86 07 - GPP
128	4.24	0.120	0.35	0.77	95	820	66	13 604	1 741.8	1984	85 10 - SUSP 85 08
32	11.40	0.150	0.35	0.80	45	905	55	8 445	1 725.0	1985	85 06
64	6.31	0.090	0.37	0.80	55	905	64	11 023	1 757.1	1985	85 11
64	3.70	0.100	0.25	0.76	107	850	56	20 602	1 854.7	1977	81 02
22	61.70	0.035	0.30	0.77	95	844	77	15 540	1 546.9	1969	80 09 - SUSP 86 03
20	36.58	0.034	0.30	0.77	95	849	77	15 420	1 539.5	1970	71 12 - ABAND 71 10
17	53.16	0.040	0.20	0.77	95	844	77	15 090	1 533.8	1969	82 12 - GPP
256	4.67	0.108	0.31	0.80	79	844	50	11 716	1 298.0	1979	86 04
64	5.96	0.160	0.45	0.80	76	893	61	14 575	1 893.9	1978	86 09
192	7.79	0.130	0.40	0.84	64	882	59	14 642	1 929.8	1977	86 08
825	6.31	0.090	0.20	0.40	530		110	28 730	3 086.7	1976	80 03
16	4.30	0.240	0.20	0.85	60	887	40	7 300	1 055.2	1983	83 04 - GPP
32	5.90	0.120	0.30	0.80	80	929	51	8 665	1 173.5	1983	84 06
287	2.10	0.100	0.18	0.76	109	829	66	20 000	1 878.8	1960	82 12 - GPP
64	2.70	0.120	0.15	0.80	68	820	75	20 200	1 852.9	1981	82 05 - ABAND 82 03
64	3.00	0.100	0.25	0.79	90	820	60	20 300	1 846.9	1981	82 06 - ABAND 84 05
128	0.56	0.060	0.30	0.79	85	828	60	11 000	1 837.4	1982	83 03 - ABAND 84 05
128	2.83	0.080	0.15	0.80	89	823	59	23 123	1 863.5	1982	84 09
64	1.80	0.080	0.35	0.80	89	822	59	23 123	1 820.8	1982	83 11
64	2.00	0.110	0.15	0.80	89	822	59	23 183	1 832.3	1983	84 10
128	2.30	0.110	0.30	0.80	48	843	67	15 616	1 855.4	1984	85 04

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GARRINGTON 034-04W5 (CONTINUED)								
CARDIUM N	238.0	0.10		23.8		23.8	10.7	13.1
CARDIUM O	266.0	0.10		26.6		26.6	1.0	25.6
CARDIUM P	272.0	0.10		27.2		27.2	0.3	26.9
CARDIUM Q	86.6	0.20		17.3		17.3	15.8	1.5
CARDIUM R	43.2	0.10		4.3		4.3		4.3
CARDIUM S	133.0	0.10		13.3		13.3	2.7	10.6
CARDIUM A&B TOTAL	31 600.0			1 580.0	1 650.0	3 230.0	2 758.6	471.4
PRIMARY AREA	11 400.0	0.05		570.0		570.0		
WATER FLOOD AREA	20 200.0	0.05	0.08	1 010.0	1 650.0	2 660.0		
SECOND WHITE SPECKS A	87.5	0.10		8.8		8.8	2.1	6.7
SECOND WHITE SPECKS B	97.6	0.15		14.6		14.6	5.4	9.2
SECOND WHITE SPECKS C	425.0	0.10		42.5		42.5	1.1	41.4
SECOND WHITE SPECKS D	94.2	0.10		9.4		9.4	0.1	9.3
SECOND WHITE SPECKS E	139.0	0.10		13.9		13.9		13.9
SECOND WHITE SPECKS F	81.9	0.10		8.2		8.2		8.2
VIKING A	13 000.0	0.10		1 300.0		1 300.0	491.8	808.2
VIKING C	132.0	0.10		13.2		13.2	2.7	10.5
VIKING F	302.0	0.10		30.2		30.2	23.7	6.5
VIKING G	183.0	0.05		9.2		9.2	2.1	7.1
VIKING J	32.3	0.20		6.5		6.5	4.5	2.0
VIKING K	98.6	0.15		14.8		14.8	7.9	6.9
VIKING L	197.0	0.03		5.9		5.9	3.0	2.9
VIKING N	207.0	0.10		20.7		20.7	5.2	15.5
VIKING Q	302.0	0.10		30.2		30.2	14.7	15.5
VIKING S	58.1	0.10		5.8		5.8	0.5	5.3
MANNVILLE B	9 720.0	0.07		680.0		680.0	641.4	38.6
MANNVILLE D	2 600.0	0.07		182.0		182.0	158.5	23.5
MANNVILLE I	620.0	0.20		124.0		124.0	33.6	90.4
MANNVILLE L	15.3	0.10		1.6		1.6	0.4	1.2
MANNVILLE M	167.0	0.10		16.7		16.7	1.2	15.5
MANNVILLE N	63.9	0.10		6.4		6.4		6.4
LOWER MANNVILLE A	83.0	<0.02		1.4		1.4	1.4	
LOWER MANNVILLE B	37.8	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0	
LOWER MANNVILLE E	403.0	0.03		12.1		12.1	3.2	8.9
LOWER MANNVILLE I	257.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE J	130.0	0.03		3.9		3.9	3.3	0.6
LOWER MANNVILLE P	63.0	0.10		6.3		6.3	2.4	3.9
LOWER MANNVILLE Q	480.0	0.10		48.0		48.0	6.5	41.5
LOWER MANNVILLE S	163.0	0.10		16.3		16.3	0.9	15.4
LOWER MANNVILLE T	160.0	0.10		16.0		16.0	0.6	15.4
LOWER MANNVILLE U	69.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE Y	128.0	0.10		12.8		12.8	2.1	10.7
LOWER MANNVILLE Z	446.0	0.10		44.6		44.6	3.7	40.9
LOWER MANNVILLE KK	105.0	0.10		10.5		10.5	1.6	8.9
LOWER MANNVILLE MM	17.0	0.10		1.7		1.7	0.1	1.6
LOWER MANNVILLE N&O	450.0	0.10		45.0		45.0	27.8	17.2
LOWER MANNVILLE CC, DD & EE	240.0	0.10		24.0		24.0	1.2	22.8
LOWER MANNVILLE GG, HH & II	261.8	0.10		26.2		26.2	0.7	25.5
ELKTON-SHUNDA A	52.5	<0.02		0.7		0.7	0.7	
WABAMUN A	6 470.0	0.20		1 290.0		1 290.0	1 096.1	193.9
GENESEE 050-03W5								
ELLERSLIE A	26.6	0.05		1.3		1.3		1.3
GEORGE 082-05W6								
DEBOLT B	126.0	0.01		1.3		1.3	1.3	
GHOST PINE 031-22W4								
UPPER MANNVILLE Q	249.0	0.10		24.9		24.9	14.0	10.9
UPPER MANNVILLE V	1 010.0	<0.02		16.0		16.0	16.0	
UPPER MANNVILLE W	200.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE HH	281.0	0.07		19.7		19.7	15.9	3.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
277	1.16	0.120	0.23	0.80	96	843	68	22 238	1 885.5	1979	86 10
128	3.10	0.100	0.15	0.79	88	819	60	20 131	1 945.8	1984	85 05
128	4.30	0.120	0.45	0.75	96	845	68	14 658	2 027.0	1985	86 02
90	1.46	0.104	0.13	0.76	108	840	64	15 314	2 185.0	1963	79 12 - GPP
64	1.20	0.100	0.25	0.75	106	825	63	15 547	1 908.4	1983	86 05
128	2.00	0.120	0.45	0.79	88	819	60	13 293	1 870.4	1985	86 10
15 434					109	829	64	24 550	2 022.0	1954	84 06
5 521	3.24	0.100	0.15	0.75							
9 913	3.20	0.100	0.15	0.75							- GPP
64	3.20	0.090	0.35	0.73	115	823	64	17 307	2 314.1	1981	83 02
64	8.70	0.030	0.20	0.73	110	815	70	24 698	2 202.7	1984	85 08
64	13.00	0.100	0.30	0.73	110	819	67	23 031	2 105.5	1984	85 10
64	8.40	0.030	0.20	0.73	115	815	53	23 816	2 137.4	1979	86 03
64	8.50	0.050	0.20	0.64	177	823	84	23 292	2 301.8	1985	86 10
64	5.00	0.050	0.20	0.64	177	816	84	20 650	2 234.3	1984	86 12
3 264	7.44	0.100	0.37	0.85	57	841	64	9 336	2 095.5	1978	85 01
64	3.60	0.105	0.35	0.84	51	841	71	10 052	2 382.2	1982	83 04
65	6.71	0.120	0.30	0.83	128	820	53	8 960	2 002.6	1963	73 12 - GPP
64	4.80	0.100	0.29	0.84	51	842	71	7 895	2 117.0	1983	86 12
64	1.51	0.053	0.25	0.84	51	842	71	8 937	2 081.6	1983	86 12
64	3.26	0.084	0.33	0.84	51	840	71	17 241	2 286.4	1979	86 03
64	7.35	0.087	0.35	0.74	110	832	71	8 117	2 001.2	1981	86 12
64	5.00	0.110	0.30	0.84	68	835	75	17 818	2 362.9	1984	85 06
192	3.80	0.090	0.37	0.73	110	842	77	20 050	2 497.6	1984	86 05
64	1.50	0.120	0.40	0.84	68	835	75	11 500	2 389.0	1985	86 10
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	2 405.8	1963	81 12 - GPP
1 984	2.48	0.106	0.22	0.64	85	874	60	27 421	2 560.8	1980	85 02
161	4.58	0.160	0.18	0.64	181	864	81	29 203	2 614.0	1982	86 12
64	0.40	0.110	0.14	0.64	250	821	97	8 117	2 564.4	1984	85 10
64	4.43	0.115	0.20	0.64	181	874	81	27 724	2 508.0	1984	86 03
64	3.23	0.069	0.30	0.64	181	863	81	27 724	2 609.5	1984	86 07
65	2.74	0.110	0.15	0.50	301	829	64	23 080	2 512.5	1974	75 11 - GPP
65	1.83	0.080	0.20	0.50	301	825	64	28 440	2 464.3	1975	76 02 - ABAND 75 06
64	2.16	0.090	0.16	0.80	106	839	71	28 820	2 442.0	1977	84 07 - ABAND 83 12
64	10.00	0.120	0.30	0.75	96	845	86	25 806	2 639.0	1979	82 12 - GPP
64	6.50	0.110	0.25	0.75	110	855	63	21 495	2 553.1	1981	84 12 - ABAND 82 10
64	1.50	0.200	0.10	0.75	100	821	83	24 775	2 642.9	1982	83 12 - SUSP 86 05
64	1.25	0.140	0.25	0.75	120	841	64	18 824	2 440.8	1982	83 01
256	2.70	0.110	0.21	0.80	152	843	82	28 269	2 618.1	1982	85 05
64	3.90	0.120	0.20	0.68	152	843	82	28 030	2 386.1	1982	83 04 - SUSP 83 11
64	3.50	0.130	0.19	0.68	152	843	82	27 038	2 596.8	1982	83 07
64	2.50	0.080	0.20	0.68	152	843	82	26 376	2 553.8	1983	84 07 - ABAND 83 11
64	3.30	0.095	0.15	0.75	152	841	82	25 911	2 716.8	1984	84 12
64	10.20	0.120	0.21	0.72	152	841	82	23 078	2 712.9	1984	84 12 - GPP
64	2.80	0.100	0.25	0.78	113	871	84	15 330	2 561.5	1980	81 03
64	0.89	0.073	0.40	0.68	152	843	82	19 919	2 524.1	1975	86 07
430	1.34	0.126	0.17	0.75	158	845	82	28 094	2 562.8	1981	85 07
64	4.97	0.120	0.20	0.80	152	843	82	26 195	2 577.6	1984	86 05 - SUSP 86 06
64	5.50	0.125	0.15	0.70	145	812	85	20 000	2 565.9	1985	86 09
64	2.00	0.072	0.15	0.67	140	845	82	19 218	2 402.0	1979	83 12 - SUSP 81 01
2 912	10.61	0.055	0.32	0.56	271	834	84	24 730	2 742.0	1965	84 12 - GPP
64	0.80	0.100	0.35	0.80	85	850	45	16 673	1 538.1	1983	84 09
64	4.00	0.090	0.30	0.78	99	829	52	15 670	1 524.5	1976	83 12 - SUSP 81 10
65	3.96	0.200	0.40	0.81	80	876	53	10 410	1 507.5	1967	68 12 - GPP
227	3.94	0.210	0.37	0.85	67	855	58	10 420	1 481.9	1966	79 03 - SUSP 74 08
65	3.29	0.146	0.25	0.86	61	870	41	10 250	1 396.9	1966	66 05 - SUSP 66 09
64	6.40	0.140	0.40	0.81	80	876	53	10 510	1 498.4	1967	82 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GHOST PINE 031-22W4 (CONTINUED)								
UPPER MANNVILLE LL	132.0	0.05		6.6		6.6	4.1	2.5
UPPER MANNVILLE NN	116.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE RR	264.0	0.10		26.4		26.4	4.2	22.2
UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	1.8	3.2
UPPER MANNVILLE YY	112.0	0.10		11.2		11.2	2.3	8.9
UPPER MANNVILLE CGHP&U	202.0	<0.04		6.7		6.7	6.7	
UPPER MANNVILLE EEE	203.0	0.10		20.3		20.3	3.5	16.8
UPPER MANNVILLE FFF	163.0	0.15		24.5		24.5	3.7	20.8
UPPER MANNVILLE HHH	64.6	0.15		9.7		9.7	0.5	9.2
UPPER MANNVILLE KKK	200.0	0.10		20.0		20.0	1.2	18.8
LOWER MANNVILLE B	424.0	0.08		33.9		33.9	20.7	13.2
LOWER MANNVILLE E	115.0	0.13		14.9		14.9	14.0	0.9
LOWER MANNVILLE J	159.0	0.10		15.9		15.9	6.8	9.1
LOWER MANNVILLE K	137.0	0.10		13.7		13.7	4.9	8.8
LOWER MANNVILLE L	675.0	0.15		101.0		101.0	75.5	25.5
LOWER MANNVILLE N	88.7	0.15		13.3		13.3	4.6	8.7
LOWER MANNVILLE O	327.0	0.10		32.7		32.7	2.6	30.1
LOWER MANNVILLE A&H	362.0	0.08		29.0		29.0	22.7	6.3
PEKISKO F	110.0	0.10		11.0		11.0	10.1	0.9
PEKISKO K	305.0	0.02		6.1		6.1	3.4	2.7
PEKISKO N	202.0	0.10		20.2		20.2	3.8	16.4
PEKISKO P	77.4	0.10		7.7		7.7	1.8	5.9
GIFT 079-11W5								
SLAVE POINT A	8 000.0	0.15		1 200.0		1 200.0	237.3	962.7
SLAVE POINT C	1 840.0	0.10		184.0		184.0	28.5	155.5
SLAVE POINT D	181.0	0.15		27.2		27.2	1.7	25.5
SLAVE POINT E	469.0	0.15		70.4		70.4	3.6	66.8
SLAVE POINT G	160.0	0.15		24.0		24.0	1.5	22.5
SLAVE POINT H	118.0	0.15		17.7		17.7	1.4	16.3
SLAVE POINT I	292.0	0.15		43.8		43.8	0.1	43.7
GILWOOD A	134.0	0.10		13.4		13.4	3.4	10.0
GILWOOD D	276.0	0.15		41.4		41.4	9.1	32.3
GILWOOD E	954.0	0.25		239.0		239.0	45.6	193.4
GILWOOD G	476.0	0.25		119.0		119.0	17.5	101.5
GILWOOD H	98.0	0.25		24.5		24.5	3.6	20.9
GILWOOD I	15.8	0.20		3.2		3.2	0.3	2.9
GILWOOD J	913.0	0.25		228.0		228.0	21.5	206.5
GRANITE WASH A	72.7	<0.01		0.2		0.2	0.2	
GRANITE WASH B	198.0	0.25		49.5		49.5	3.5	46.0
GRANITE WASH C	65.0	0.20		13.0		13.0	0.8	12.2
GRANITE WASH D	95.4	0.20		19.1		19.1	1.6	17.5
GILBY 041-03W5								
BELLY RIVER A	286.0	0.07		20.0		20.0	17.9	2.1
BELLY RIVER B	565.0	0.10		56.5		56.5	33.3	23.2
BELLY RIVER C	485.0	0.01		4.9		4.9	1.2	3.7
BELLY RIVER E	338.0	0.02		6.8		6.8	1.0	5.8
CARDIUM A	170.0	0.10		17.0		17.0	15.8	1.2
CARDIUM D	84.5	0.10		8.5		8.5	0.4	8.1
VIKING A TOTAL	6 420.0			1 250.0	1 220.0	2 470.0	2 457.5	12.5
PRIMARY AREA	296.0	0.10		29.6		29.6		
WATER FLOOD AREA	6 120.0	0.20	0.20	1 220.0	1 220.0	2 440.0		
VIKING B TOTAL	1 440.0		-	412.0	184.0	596.0	532.8	63.2
PRIMARY AREA	30.5	0.10		3.1		3.1		
WATER FLOOD AREA	1 410.0	0.29	0.13	409.0	184.0	593.0		
VIKING C	229.0	0.20		46.1		46.1	33.4	12.7
VIKING F	68.7	0.15		10.3		10.3	8.7	1.6
VIKING G	61.2	<0.02		0.9		0.9	0.9	
VIKING H	19.8	0.10		2.0		2.0	0.4	1.6
VIKING I	178.0	0.20		35.6		35.6	21.4	14.2
VIKING J	74.5	0.05		3.7		3.7	0.2	3.5
BASAL MANNVILLE B TOTAL	7 000.0			868.0	805.0	1 670.0	953.8	716.2
PRIMARY AREA	1 250.0	0.05		62.5		62.5		
WATER FLOOD AREA	5 750.0	0.14	0.14	805.0	805.0	1 610.0		
BASAL MANNVILLE F	28.0	<0.03		0.7		0.7	0.7	
BASAL MANNVILLE G	76.3	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE O	103.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE R	1 700.0	0.10		170.0		170.0	44.9	125.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.14	0.186	0.39	0.85	55	820	66	10 000	1 372.8	1973	75 12
64	1.83	0.170	0.32	0.85	64	855	43	10 270	1 390.8	1974	79 06 - SUSP 79 04
64	3.55	0.182	0.25	0.85	58	874	58	9 277	1 488.8	1980	81 06
64	0.90	0.180	0.40	0.81	66	851	40	9 900	1 359.3	1982	84 03
64	3.00	0.110	0.34	0.80	76	862	57	10 283	1 503.0	1983	84 11
129	1.43	0.176	0.27	0.85	71	865	49	10 490	1 410.9	1966	86 12 - GPP
64	3.60	0.150	0.31	0.85	58	875	48	8 700	1 502.8	1985	86 03
64	3.20	0.140	0.37	0.90	58	873	45	8 700	1 484.0	1985	86 03
64	1.20	0.150	0.34	0.85	50	858	62	7 500	1 546.6	1980	86 07 - SUSP 86 09
64	2.70	0.180	0.24	0.85	60	869	45	8 600	1 460.7	1985	86 12
64	5.86	0.190	0.30	0.85	58	892	48	10 670	1 443.5	1959	86 12 - GPP
65	1.52	0.180	0.25	0.86	51	892	49	10 290	1 487.4	1966	85 06 - GPP
128	1.72	0.130	0.34	0.84	62	876	56	10 980	1 572.9	1977	79 06
65	2.44	0.150	0.32	0.85	62	881	49	11 030	1 570.3	1977	78 10
64	7.39	0.210	0.20	0.85		861	60	10 250	1 489.6	1972	75 12
64	3.30	0.100	0.50	0.84	60	861	61	10 245	1 509.2	1981	81 08
128	2.86	0.150	0.30	0.85	56	873	50	8 600	1 500.1	1985	86 12
128	4.16	0.180	0.55	0.84	62	865	50	10 500	1 427.7	1965	81 12 - GPP
32	12.19	0.054	0.40	0.86	62	870	54	10 970	1 421.3	1965	74 03 - GPP
64	17.00	0.050	0.30	0.80	91	813	52	10 362	1 472.9	1979	85 12 - GPP
64	10.50	0.050	0.30	0.86	58	86	40	10 320	1 417.1	1981	82 04 - GPP
64	2.70	0.070	0.20	0.80	79	877	55	10 909	1 645.6	1981	84 02
1 804	8.44	0.084	0.32	0.92	16	830	64	16 663	1 771.8	1983	84 11
670	5.78	0.084	0.37	0.90	30	851	54	17 297	1 794.5	1980	86 12
64	5.76	0.091	0.40	0.90	15	854	65	3 944	1 825.5	1984	84 12
64	12.60	0.095	0.32	0.90	28	850	56	16 913	1 796.5	1984	85 02
64	6.70	0.080	0.50	0.93	15	835	65	15 745	1 799.0	1985	85 07
64	4.10	0.079	0.37	0.90	30	850	54	17 083	1 784.0	1985	85 08
64	11.40	0.100	0.55	0.89	34	838	50	4 300	1 865.8	1985	86 03 - SUSP 86 01
128	1.76	0.110	0.35	0.83	58	841	60	18 213	1 822.3	1980	85 02 - SUSP 85 08
64	3.80	0.180	0.30	0.90	26	841	65	17 560	1 803.1	1983	84 04
256	3.72	0.170	0.29	0.83	56	847	71	18 648	1 809.1	1984	85 02
64	6.40	0.200	0.30	0.83	62	847	57	8 200	1 794.3	1984	85 02
64	1.70	0.160	0.35	0.87	43	847	56	18 101	1 849.2	1984	85 04
64	0.50	0.080	0.29	0.87	43	847	54	16 447	1 830.5	1984	85 04 - SUSP 86 03
192	5.24	0.150	0.32	0.89	31	836	59	4 125	1 879.7	1984	86 05
64	1.50	0.150	0.42	0.87	43	854	55	19 017	1 836.7	1984	84 11 - ABAND 84 11
64	3.30	0.200	0.46	0.87	42	835	56	18 383	1 876.7	1984	85 04
64	1.20	0.130	0.25	0.87	42	835	56	19 055	1 826.6	1984	85 04 - SUSP 86 03
64	1.70	0.180	0.44	0.87	39	845	65	17 263	1 838.2	1984	86 02
129	3.57	0.183	0.60	0.85	57	820	38	7 170	1 282.9	1963	75 12 - GPP
128	5.75	0.140	0.37	0.87	51	820	46	7 240	1 365.3	1965	85 04 - GPP
64	6.40	0.200	0.32	0.87	68	820	33	8 200	1 299.3	1979	81 12 - SUSP 84 04
64	8.00	0.138	0.45	0.87	58	836	29	7 500	1 312.3	1979	85 12 - SUSP 86 07
170	1.83	0.090	0.20	0.76	106	811	63	17 790	1 671.8	1962	81 12 - GPP
64	1.50	0.150	0.15	0.69	140	835	62	18 980	1 847.8	1984	85 08
5 801					55	834	62	9 960	1 784.9	1953	86 08 - GPP
192	2.73	0.100	0.32	0.83							
5 606	1.86	0.104	0.32	0.83							
2 334					92	839	68	17 930	1 951.0	1962	83 12 - GPP
64	1.30	0.070	0.32	0.77							
2 270	1.62	0.073	0.32	0.77							
255	1.16	0.140	0.29	0.78	92	839	66	17 440	1 911.1	1956	74 12 - GPP
128	0.93	0.110	0.30	0.75	110	849	66	10 940	1 973.9	1974	80 12 - GPP
65	1.22	0.140	0.29	0.78	92	849	62	12 510	1 908.0	1976	83 12 - SUSP 81 03
64	2.50	0.030	0.45	0.75	100	818	83	12 600	1 917.6	1980	82 07 - SUSP 85 05
256	1.30	0.090	0.40	0.78	94	832	50	7 196	1 832.4	1984	85 06
64	1.80	0.110	0.30	0.84	58	834	63	9 877	1 831.1	1985	86 07
996					71	892	69	15 860	2 145.0	1957	84 12 - GPP
288	6.02	0.120	0.23	0.78							
708	9.40	0.142	0.22	0.78							
41	0.91	0.150	0.30	0.72	71	892	68	15 580	2 144.0	1966	73 02 - SUSP 68 08
65	2.13	0.100	0.30	0.79	91	892	53	15 240	2 033.6	1966	68 02 - SUSP 67 06
64	1.83	0.140	0.20	0.78	99	904	52		1 887.0	1974	75 12 - ABAND 76 06
128	13.84	0.136	0.15	0.83	66	887	60	14 370	2 135.6	1976	85 07

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GILBY 041-03W5 (CONTINUED)								
BASAL MANNVILLE S	493.0	0.07		34.5		34.5	18.5	16.0
BASAL MANNVILLE U	117.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE X	376.0	<0.01		1.7		1.7	1.7	
BASAL MANNVILLE Y	93.6	<0.01		0.1		0.1		0.1
BASAL MANNVILLE BB	56.6	0.10		5.7		5.7		5.7
BASAL MANNVILLE H&L	1 290.0	0.05		64.5		64.5	39.7	24.8
JUR E & UP MANN A								
JURASSIC B TOTAL	12 300.0			1 480.0	2 190.0	3 680.0	2 542.9	1 137.1
PRIMARY AREA	138.0	0.10		13.8		13.8		
WATER FLOOD AREA	12 200.0	<0.13	0.18	1 470.0	2 190.0	3 670.0		
JURASSIC F WATER FLOOD	1 760.0	0.15	0.25	264.0	442.0	706.0	369.1	336.9
JURASSIC I	610.0	0.05		30.5		30.5	19.6	10.9
JURASSIC J	443.0	0.10		44.3		44.3	29.2	15.1
JURASSIC L	1 150.0	0.10		115.0		115.0	13.3	101.7
RUNDLE B	175.0	<0.02		2.0		2.0	2.0	
RUNDLE E	140.0	<0.07		8.7		8.7	8.7	
RUNDLE F	447.0	<0.01		0.1		0.1	0.1	
RUNDLE L	300.0	0.03		9.0		9.0	5.4	3.6
RUNDLE M	139.0	<0.01		0.1		0.1	0.1	
RUNDLE N	67.4	0.10		6.7		6.7		6.7
RUNDLE O	311.0	0.05		15.6		15.6	7.0	8.6
BANFF A	188.0	<0.01		0.1		0.1	0.1	
NISKU A	121.0	<0.02		1.3		1.3	1.3	
NISKU B	401.0	0.10		40.1		40.1	1.9	38.2
D-3 A	169.0	0.20		33.8		33.8	1.5	32.3
GILWOOD 073-18W5								
GILWOOD A	442.0	0.30		133.0		133.0	103.1	29.9
GILWOOD B	287.0	0.30		86.1		86.1	8.8	77.3
GIROUX LAKE 066-21W5								
VIKING A TOTAL	735.0			119.0	121.0	240.0	196.3	43.7
PRIMARY AREA	99.3	0.05		5.0		5.0		
WATER FLOOD AREA	636.0	0.18	0.19	114.0	121.0	235.0		
GETHING A	140.0	0.05		7.0		7.0	1.3	5.7
CADOMIN A	113.0	0.10		11.3		11.3	4.1	7.2
GIROUXVILLE EAST 076-20W5								
DEBOLT B	225.0	0.10		22.5		22.5	5.1	17.4
GLACIER 076-11W6								
BOUNDARY A	148.0	0.15		22.2		22.2	2.5	19.7
GLADYS 020-27W4								
UPPER MANNVILLE A	92.2	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE A	2 710.0	0.03		81.3		81.3	42.4	38.9
LOWER MANNVILLE B&C	77.6	<0.01		0.4		0.4	0.4	
DETRITAL A	138.0	<0.02		2.3		2.3	2.3	
RUNDLE C	1 700.0	0.10		170.0		170.0	67.2	102.8
RUNDLE E	419.0	<0.01		0.2		0.2	0.2	
GLEICHEN 022-21W4								
UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.10		4.4		4.4	1.8	2.6
GLEN PARK 049-27W4								
GLAUCONITIC A	194.0	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333.0	0.15		50.0		50.0	36.8	13.2
D-2 A	304.0	0.07		21.3		21.3	21.3	
D-3 A	4 660.0	0.72		3 350.0		3 350.0	3 101.2	248.8
D-3 B	140.0	0.40		56.0		56.0	9.7	46.3
GOLD CREEK 068-06W6								
CHARLIE LAKE B	271.0	0.15		40.7		40.7	1.1	39.6
CHARLIE LAKE C	84.9	0.10		8.5		8.5	4.2	4.3
CHARLIE LAKE D	182.0	0.10		18.2		18.2		18.2
DOIG A	77.0	0.15		11.6		11.6	0.5	11.1
DOIG B	276.0	0.15		41.4		41.4	0.1	41.3
DOIG C	312.0	0.10		31.2		31.2	0.1	31.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	5.20	0.130	0.27	0.78	98	829	56	15 440	1 894.3	1971	81 12 - GPP
64	4.00	0.090	0.35	0.78	103	904	67	15 462	2 208.5	1979	80 07 - ABAND 83 05
64	9.50	0.110	0.28	0.78		889	52	16 982	2 192.3	1979	79 08 - SUSP 84 06
64	2.10	0.130	0.33	0.80	87	890	79	17 500	2 126.4	1981	84 01 - ABAND 84 05
64	1.00	0.135	0.16	0.78	87	890	76	18 396	2 094.1	1979	86 12
192	7.70	0.140	0.22	0.80	86	892	71	16 220	2 137.0	1972	84 12 - GPP
1 893					86	887	71	16 000	2 149.1	1958	86 05
64	3.06	0.110	0.20	0.80							
1 829	6.40	0.167	0.22	0.80							
404	4.97	0.146	0.25	0.80	90	887	66	15 960	2 165.3	1961	68 05 - GPP
64	7.01	0.210	0.20	0.80	76	892	70	13 750	2 155.2	1973	79 12
65	7.62	0.150	0.25	0.80	80	887	71	12 960	2 165.0	1974	74 12
192	4.79	0.230	0.32	0.80	83	896	70	11 618	2 153.8	1982	86 04
101	4.79	0.062	0.28	0.81	86	898	71	15 860	2 148.2	1958	64 04 - SUSP 66 10
32	6.83	0.100	0.22	0.81	73	898	71	16 130	2 178.1	1962	63 10 - SUSP 64 07
65	19.42	0.061	0.28	0.81	73	898	79	14 200	2 163.2	1965	67 05 - ABAND 66 11
65	7.62	0.100	0.25	0.81	71	898	73	16 170	2 154.6	1974	78 12 - GPP
64	4.80	0.068	0.20	0.81	74	881	62	15 420	2 027.5	1976	82 12 - ABAND 83 01
64	2.50	0.080	0.35	0.81	74	881	66	15 981	2 275.8	1979	80 07 - SUSP 80 02
64	8.00	0.100	0.25	0.81	116	887	54	21 112	2 257.5	1979	83 12 - GPP
64	5.00	0.120	0.30	0.70	150	753	57	15 032	2 075.0	1984	85 07
64	9.00	0.050	0.40	0.70	177	817	51	18 540	2 478.5	1979	83 12 - ABAND 84 07
64	20.00	0.053	0.18	0.72	120	830	82	18 108	2 394.5	1984	86 01
64	7.50	0.070	0.25	0.67	59	806	83	11 131	2 475.5	1984	86 01
243	2.13	0.150	0.36	0.89	36	834	86	25 860	2 472.5	1954	86 12 - GPP
64	6.00	0.140	0.40	0.89	36	838	86	25 714	2 524.6	1984	84 11
582					71	834	56	11 620	1 376.5	1964	84 12 - GPP
192	1.00	0.110	0.44	0.84							
390	2.01	0.138	0.30	0.84							
64	2.50	0.130	0.25	0.90	29	927	59	8 300	1 691.3	1979	79 11
64	1.84	0.160	0.32	0.88		922	71	15 850	1 745.5	1978	79 02 - GPP
64	3.80	0.160	0.35	0.89	38	826	41	9 212	1 118.9	1982	86 02 - GPP
64	2.50	0.210	0.45	0.80	72	834	64	8 700	1 987.8	1984	85 01
64	2.00	0.120	0.25	0.80	80	852	48	17 226	2 021.5	1979	82 08 - SUSP 84 04
192	22.39	0.120	0.30	0.75	112	849	54	16 805	2 056.9	1978	83 12 - GPP
64	2.10	0.110	0.30	0.75	112	830	54	16 468	2 054.1	1978	82 12 - SUSP 82 07
64	4.00	0.120	0.40	0.75	112	840	54	16 850	2 062.4	1978	84 12 - SUSP 84 08
320	13.00	0.070	0.27	0.73	102	849	56	19 163	2 070.1	1978	80 05
64	12.80	0.120	0.40	0.71	140	820	64	16 165	1 988.5	1978	82 12 - ABAND 83 09
64	1.30	0.140	0.50	0.81	82	841	43	10 869	1 462.0	1980	84 12 - ABAND 83 11
64	1.70	0.100	0.50	0.81	72	838	43	10 771	1 396.4	1979	83 01
77	2.74	0.149	0.26	0.83	60	881	59	13 240	1 408.5	1953	61 09 - ABAND 71 05
82	3.64	0.170	0.20	0.82	44	881	60	7 170	1 428.9	1965	84 12 - GPP
239	4.63	0.047	0.20	0.73	113	820	67	13 240	1 691.3	1952	64 04 - SUSP 69 12
173	39.32	0.097	0.07	0.76	106	834	74	15 200	1 921.8	1951	73 05
64	4.00	0.090	0.20	0.76	99	836	74	13 391	1 912.0	1983	84 05
64	2.80	0.210	0.10	0.80	100	815	75	18 892	2 103.4	1983	85 09
64	3.00	0.080	0.30	0.79	100	795	75	18 892	2 185.5	1984	84 07
64	3.89	0.125	0.27	0.80	100	827	75	18 892	2 143.0	1985	86 09
64	1.80	0.110	0.24	0.80	78	820	74	9 800	2 155.9	1985	86 03
64	10.30	0.083	0.37	0.80	68	856	75	9 300	2 190.7	1985	85 07 - SUSP 86 06
64	7.80	0.120	0.35	0.80	68	824	74	8 500	2 136.1	1984	85 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10³m³	frac	frac	10³m³	10³m³	10³m³	10³m³	10³m³
GOLDEN 087-14W5								
SLAVE POINT A	8 230.0	0.45		3 700.0		3 700.0	1 895.9	1 804.1
GOLDEN SPIKE 051-27W4								
UPPER MANNVILLE A	47.9	0.10		4.8		4.8	0.3	4.5
UPPER MANNVILLE C	417.0	0.10		41.7		41.7	5.3	36.4
D-2 A WATER FLOOD	2 180.0	0.11	0.07	240.0	152.0	392.0	348.3	43.7
D-2 B	356.0	0.15		53.4		53.4	49.5	3.9
D-3 A TOTAL	49 600.0			26 300.0	3 650.0	30 000.0	27 810.0	2 190.0
SOLVENT FLOOD AREA	0.0			0.0	1 590.0	1 590.0		
GAS FLOOD AREA	49 600.0	0.53	0.05	26 300.0	2 070.0	28 400.0		
D-3 B	682.0	0.40		237.0		237.0	234.7	2.3
D-3 C	425.0	0.45		191.0		191.0	170.9	20.1
GOODWIN 059-13W5								
BASAL QUARTZ A	189.0	0.10		18.9		18.9	6.0	12.9
GOOSE RIVER 067-18W5								
D-2 A	297.0	<0.01		0.9		0.9	0.9	
BEAVERHILL LAKE A TOTAL	21 000.0			3 406.0	4 784.0	8 190.0	5 771.1	2 418.9
PRIMARY AREA	237.0	<0.01		1.6		1.6		
WATER FLOOD AREA	20 800.0	0.16	0.23	3 406.0	4 784.0	8 190.0		
BEAVERHILL LAKE B	167.0	<0.09		13.8		13.8	13.8	
GORDONDALE 079-10W6								
HALFWAY A	149.0	<0.02		2.2		2.2	2.2	
HALFWAY B	918.0	0.10		91.8		91.8	17.9	73.9
HALFWAY C	471.0	0.04		18.8		18.8	4.5	14.3
HALFWAY D	137.0	0.10		13.7		13.7	9.3	4.4
HALFWAY F	38.2	0.10		3.8		3.8	1.8	2.0
GRANDE PRAIRIE 073-06W6								
HALFWAY A	4 000.0	0.12		480.0		480.0	126.4	353.6
HALFWAY F	11.4	0.10		1.1		1.1	0.3	0.8
HALFWAY H	130.0	0.10		13.0		13.0	1.7	11.3
HALFWAY I	128.0	0.10		12.8		12.8	0.1	12.7
GUNN 056-03W5								
LOWER MANNVILLE A	158.0	0.10		15.8		15.8	1.4	14.4
HACKETT 036-18W4								
UPPER MANNVILLE A	1 150.0	0.09		103.0	ERSD	103.0	55.1	47.9
UPPER MANNVILLE D	238.0	0.10		23.8		23.8	0.1	23.7
HALKIRK 038-16W4								
UPPER MANNVILLE B	82.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE D	786.0	0.10		78.6		78.6	5.6	73.0
UPPER MANNVILLE E	202.0	0.10		20.2		20.2	1.8	18.4
UPPER MANNVILLE G	140.0	0.05		7.0		7.0	0.2	6.8
UPPER MANNVILLE I	5 800.0	0.17		960.0		960.0	82.4	877.6
UPPER MANNVILLE J	555.0	0.10		55.5		55.5	2.0	53.5
LOWER MANNVILLE F	1 160.0	0.10		116.0		116.0	45.7	70.3
LOWER MANNVILLE J	208.0	0.10		20.8		20.8	5.3	15.5
CAMROSE A	203.0	0.25		50.8		50.8	2.8	48.0
CAMROSE B	304.0	0.25		76.0		76.0	7.9	68.1
CAMROSE C	100.0	0.25		25.0		25.0	6.6	18.4
CAMROSE D	85.2	0.20		17.0		17.0	0.4	16.6
HALKIRK EAST 040-13W4								
VIKING A	273.0	0.10		27.3		27.3	6.4	20.9
VIKING B	231.0	0.10		23.1		23.1	5.8	17.3
VIKING C	52.9	<0.01		0.2		0.2	0.2	
VIKING D	877.0	0.02		17.5		17.5	6.2	11.3
VIKING E	91.2	0.10		9.1		9.1	2.0	7.1
VIKING F	86.4	0.10		8.6		8.6	0.1	8.5
VIKING G	49.1	0.10		4.9		4.9	0.3	4.6
GLAUCONITIC A	743.0	0.10		74.3		74.3	1.8	72.5
GLAUCONITIC B	206.0	0.02		4.1		4.1	0.3	3.8
ELLERSLIE A	2 400.0	0.10		240.0		240.0	48.2	191.8
ELLERSLIE B	1 600.0	0.10		160.0		160.0	45.7	114.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
2 146	9.62	0.060	0.27	0.91	32	829	38	16 660	1 599.3	1971	84 12
16	3.60	0.160	0.35	0.80	60	905	50	11 265	1 269.5	1976	84 03 - SUSP 84 09
128	5.12	0.130	0.41	0.83	58	881	45	11 841	1 313.8	1983	86 05
609	9.85	0.057	0.15	0.75	87	839	61	12 270	1 542.9	1952	82 12 - GPP
173	3.93	0.078	0.14	0.78	87	839	61	12 410	1 556.9	1951	73 12 - GPP
590					73	839	67	14 450	1 728.8	1949	86 06
											- SOLVENT FLOOD TERMINATED 76 02
590	135.64	0.087	0.11	0.80							
231	6.10	0.068	0.12	0.81	73	839	77	14 340	1 810.2	1950	86 12
158	5.82	0.068	0.15	0.80	73	839	67	14 480	1 827.0	1951	85 12 - GPP
64	5.26	0.120	0.40	0.78	90	860	61	13 800	1 650.0	1973	85 11
65	9.14	0.080	0.15	0.74	113	825	114	28 460	2 372.6	1965	71 05 - ABAND 69 08
3 567					99	820	110	29 300	2 810.3	1963	86 11
65	7.35	0.082	0.19	0.75							
3 503	12.08	0.260	0.19	0.75							
130	3.66	0.060	0.24	0.77	99	820	104	36 200	2 857.2	1965	67 02 - SUSP 76 03
65	4.88	0.090	0.27	0.72	129	815	67	16 880	1 747.1	1976	83 12 - SUSP 80 12
192	8.78	0.105	0.36	0.81	76	830	66	17 046	1 823.9	1980	85 12
192	4.76	0.095	0.33	0.81	76	832	66	16 685	1 868.6	1980	86 06
128	2.95	0.080	0.37	0.72	112	814	70	15 070	1 628.1	1984	84 11
64	2.15	0.065	0.39	0.70	130	814	60	12 000	1 638.3	1985	86 04
900	7.00	0.106	0.16	0.71	129	798	73	16 788	1 905.6	1982	84 02
64	1.00	0.050	0.50	0.71	129	797	73	15 099	1 901.9	1983	84 01
64	3.81	0.107	0.30	0.71	129	825	73	15 866	1 921.4	1984	85 02
64	2.70	0.120	0.13	0.71	129	797	73	14 820	1 922.8	1985	85 07 - SUSP 86 06
64	3.10	0.190	0.40	0.70	112	827	60	10 344	1 348.2	1978	84 01
425	3.89	0.180	0.54	0.84	44	871	39	8 170	1 177.2	1974	86 02 - GPP
64	3.00	0.220	0.33	0.84	54	871	40	8 170	1 236.9	1984	85 07 - SUSP 85 06
64	1.23	0.200	0.30	0.75	51	874	35	8 377	1 183.5	1977	82 12 - ABAND 84 11
64	7.20	0.260	0.18	0.80	64	856	45	8 852	1 196.3	1984	85 08
64	3.80	0.167	0.38	0.80	55	873	38	8 098	1 187.7	1984	85 10
64	2.90	0.190	0.47	0.75	110	870	30	8 172	1 185.5	1984	85 10
691	6.45	0.220	0.28	0.82	66	868	37	9 359	1 237.5	1985	86 12
64	6.40	0.220	0.23	0.80	64	868	48	9 368	1 205.6	1985	86 03
448	3.39	0.180	0.47	0.80	98	843	37	8 910	1 201.5	1978	84 05 - GPP
128	1.61	0.180	0.30	0.80	74	867	37	9 500	1 236.1	1986	86 09
64	7.00	0.070	0.19	0.80	36	868	53	9 737	1 395.5	1984	86 02 - GPP
64	9.10	0.075	0.13	0.80	36	878	53	10 153	1 431.1	1984	85 10
22	10.36	0.061	0.20	0.90	84	882	53	9 883	1 376.9	1983	85 10
64	3.40	0.067	0.35	0.90		845	42	9 752	1 369.0	1985	86 05
192	1.55	0.170	0.42	0.93	26	850	33	5 909	829.6	1982	82 11 - GPP
192	1.42	0.160	0.43	0.93	27	850	33	6 532	836.8	1982	86 11 - GPP
64	0.90	0.170	0.40	0.90	37	854	33	5 757	828.5	1982	82 11 - SUSP 83 12
192	3.70	0.214	0.38	0.93				5 978	829.0	1973	85 12 - GPP
64	2.00	0.150	0.50	0.95	24	858	33	5 497	834.5	1982	83 05 - GPP
64	2.00	0.150	0.50	0.90	37	858	33	5 880	834.2	1982	83 05 - SUSP 83 07
64	1.00	0.150	0.45	0.93	22	838	38	5 606	829.8	1984	85 02 - GPP
128	5.76	0.160	0.30	0.90	37	880	35	7 450	1 030.9	1983	83 12
128	2.00	0.190	0.47	0.80	52	855	39	7 200	973.3	1984	86 12
257	5.30	0.240	0.18	0.90	42	896	32	7 424	989.8	1982	86 04
166	5.40	0.240	0.18	0.90	43	870	35	6 820	997.2	1983	86 04

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HALKIRK EAST 040-13W4 (CONTINUED)								
ELLERSLIE C	279.0	0.10		27.9		27.9	0.8	27.1
HAMELIN CREEK 080-06W6								
TRIASSIC A	728.0	0.25		182.0		182.0	45.4	136.6
HANNA 031-14W4								
UPPER MANNVILLE B	105.0	0.10		10.5		10.5	2.6	7.9
LOWER MANNVILLE A	297.0	<0.01		0.3		0.3	0.3	
HARMATTAN EAST 032-03W5								
CARDIUM A	159.0	<0.01		0.2		0.2	0.2	
CARDIUM B	152.0	<0.01		0.2		0.2	0.2	
CARDIUM C	25.2	0.10		2.5		2.5	1.1	1.4
CARDIUM D	258.0	0.03		7.7		7.7	2.2	5.5
CARDIUM E	74.9	0.05		3.7		3.7	0.6	3.1
VIKING B	350.0	<0.01		1.0		1.0	1.0	
VIKING C	243.0	0.10		24.3		24.3	6.3	18.0
VIKING E	5 830.0	0.12		697.0		697.0	485.8	211.2
VIKING J	77.5	0.10		7.8		7.8	0.3	7.5
VIKING K	106.0	0.10		10.6		10.6	0.5	10.1
VIKING M	167.0	0.10		16.7		16.7	2.1	14.6
VIKING N	55.9	0.10		5.6		5.6	5.0	0.6
BLAIRMORE	288.0	<0.09		24.8		24.8	24.8	
NORDEGG A	136.0	0.05		6.8		6.8	1.2	5.6
RUNDLE TOTAL	32 700.0			10 500.0	2 620.0	13 100.0	10 494.9	2 605.1
PRIMARY AREA	0.5	0.32		0.2		0.2		
WATER FLOOD AREA	32 700.0	0.32	0.08	10 500.0	2 620.0	13 100.0		
RUNDLE D	308.0	0.10		30.8		30.8	5.1	25.7
HARMATTAN-ELKTON 031-04W5								
BELLY RIVER A	137.0	0.05		6.9		6.9		6.9
RUNDLE B	113.0	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900.0	0.34		10 200.0		10 200.0	9 330.6	869.4
HARO 106-08W6								
KEG RIVER A	370.0	0.15		55.5		55.5	2.0	53.5
HAYNES 038-24W4								
D-2 A & D-3 A	1 866.0	0.20		373.0		373.0	275.4	97.6
HIGHVALE 051-04W5								
CARDIUM C TOTAL	1 740.0			174.0	213.0	387.0	104.7	282.3
PRIMARY AREA	324.0	0.10		32.4		32.4		
WATER FLOOD AREA	1 420.0	0.10	0.15	142.0	213.0	355.0		
CARDIUM D	95.0	0.10		9.5		9.5	2.8	6.7
CARDIUM G	236.0	0.10		23.6		23.6	1.5	22.1
LOWER MANNVILLE A TOTAL	5 420.0			432.0	440.0	872.0	250.8	621.2
PRIMARY AREA	2 970.0	0.08		237.0		237.0		
WATER FLOOD AREA	2 450.0	0.08	0.18	195.0	440.0	635.0		
LOWER MANNVILLE B	120.0	0.10		12.0		12.0	10.7	1.3
LOWER MANNVILLE D	102.0	0.10		10.2		10.2	4.4	5.8
LOWER MANNVILLE I	131.0	0.08		10.5		10.5	3.4	7.1
LOWER MANNVILLE J	102.0	0.10		10.2		10.2	3.3	6.9
LOWER MANNVILLE P	244.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE R	318.0	0.10		31.8		31.8	8.2	23.6
LOWER MANNVILLE S	135.0	0.10		13.5		13.5	1.3	12.2
LOWER MANNVILLE T	201.0	0.10		20.1		20.1		20.1
LOWER MANNVILLE U	1 161.0	0.10		116.0		116.0	8.1	107.9
BANFF A	2 900.0	0.12		350.0		350.0	118.9	231.1
BANFF B	287.0	0.05		14.4		14.4	5.3	9.1
BANFF E	350.0	<0.01		2.7		2.7	2.7	
BANFF F	375.0	<0.01		1.0		1.0	1.0	
BANFF G	553.0	<0.01		0.1		0.1	0.1	
BANFF H	7 110.0	0.10		711.0		711.0	65.8	645.2
BANFF K	80.9	<0.01		0.1		0.1	0.1	
BANFF M	536.0	0.04		21.4		21.4	7.9	13.5
BANFF P	371.0	0.12		44.5		44.5	16.7	27.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.50	0.260	0.21	0.85	66	885	31	7 215	1 046.4	1984	84 12
192	3.02	0.190	0.25	0.88	50	835	50	11 322	1 186.0	1980	84 02
64	2.00	0.180	0.50	0.91	37	853	31	8 008	1 136.5	1981	82 06
65	3.05	0.250	0.30	0.86	52	865	31	9 310	1 174.4	1970	72 07 - ABAND 72 05
64	3.90	0.100	0.15	0.75	35	806	64	15 292	1 938.2	1979	83 12 - ABAND 84 05
64	4.80	0.141	0.56	0.80	83	815	59	16 170	2 023.5	1979	83 12 - SUSP 81 11
64	0.90	0.080	0.30	0.78	80	851	61	16 990	2 051.9	1983	83 07
64	4.00	0.150	0.15	0.79	79	785	61	16 550	1 999.0	1981	86 12
64	2.50	0.075	0.20	0.78	80	850	61	12 817	1 978.9	1982	86 05
64	8.00	0.135	0.35	0.78	89	794	60	12 600	2 216.3	1981	81 12 - ABAND 83 11
64	8.30	0.077	0.30	0.85	60	844	67	17 131	2 350.6	1981	82 06
4 411	2.55	0.960	0.35	0.83	58	840	56	10 225	2 189.2	1982	85 09
64	3.88	0.080	0.50	0.78	100	840	51	9 000	2 200.6	1982	83 05 - SUSP 84 03
64	4.99	0.078	0.39	0.70	160	790	67	10 950	2 369.8	1982	83 11
64	3.10	0.130	0.22	0.83	63	844	63	10 342	2 226.6	1985	85 12
64	1.80	0.090	0.35	0.83	58	840	56	10 225	2 237.5	1983	86 05
65	5.49	0.150	0.17	0.65	177	834	77	28 960	2 451.2	1961	61 09 - SUSP 73 07
64	7.70	0.075	0.45	0.67	170	820	90	24 850	2 461.6	1980	85 05 - SUSP 86 04
4 668					171	834	85	23 650	2 628.9	1957	72 07
21	0.03	0.137	0.15	0.67							
4 647	9.02	0.137	0.15	0.67							
64	14.10	0.060	0.15	0.67	171	834	85	23 750	2 409.9	1984	84 02
64	3.19	0.123	0.40	0.91	32	839	46	5 800	1 670.3	1985	85 11 - SUSP 85 07
65	2.77	0.126	0.23	0.65	158	825	93	23 650	2 714.9	1964	74 02 - ABAND 71 12
4 491	9.56	0.128	0.20	0.68	172	844	94	25 100	2 782.2	1955	83 12 - GPP
64	16.90	0.060	0.08	0.62	193	807	84	17 628	2 000.3	1982	83 05
1 156	7.09	0.044	0.25	0.69	148	825	61	16 310	1 805.4	1968	86 11
1 270					22	871	39	15 391	1 141.7	1981	86 05
307	1.00	0.140	0.19	0.93							
963	1.24	0.150	0.15	0.93							
64	1.70	0.110	0.15	0.93	22	871	39	15 392	1 148.5	1981	83 01
64	3.30	0.150	0.20	0.93	28	874	38	12 899	1 090.9	1984	84 10
3 106					84	870	53	17 305	1 591.0	1977	85 04
1 730	2.12	0.150	0.34	0.82							
1 376	2.19	0.150	0.34	0.82							
64	2.52	0.140	0.35	0.82	90	855	54	16 962	1 583.0	1979	79 08
64	1.85	0.150	0.30	0.82	86	870	56	16 168	1 586.5	1978	81 10
64	1.80	0.180	0.23	0.82	84	865	43	14 959	1 516.9	1980	81 08
64	2.50	0.120	0.35	0.82	68	862	50	16 484	1 625.8	1982	83 02
64	5.95	0.130	0.40	0.82	82	882	56	14 416	1 597.0	1983	84 10 - ABAND 85 05
128	2.58	0.170	0.31	0.82	82	882	56	16 605	1 571.5	1985	85 07
64	2.40	0.165	0.35	0.82	82	870	56	16 730	1 567.2	1977	85 12 - SUSP 86 06
64	3.00	0.150	0.15	0.82	82	882	56	16 605	1 492.2	1985	86 11
192	5.29	0.170	0.18	0.82	82	850	56	16 605	1 508.0	1985	86 11
372	7.55	0.180	0.30	0.82	117	870	60	16 990	1 588.3	1977	84 04
64	4.05	0.220	0.33	0.75	117	870	60	16 840	1 580.1	1977	80 01
64	5.00	0.190	0.30	0.82	89	870	60	16 899	1 613.8	1978	81 09 - ABAND 81 05
64	8.00	0.122	0.25	0.80	88	870	57	18 550	1 627.5	1981	85 12 - ABAND 85 12
64	5.40	0.250	0.20	0.80	88	870	57	14 500	1 610.3	1981	82 04 - ABAND 82 01
1 114	6.96	0.200	0.42	0.79	102	869	54	17 506	1 623.4	1983	86 04
64	2.00	0.150	0.48	0.81	88	866	56	15 107	1 494.9	1983	83 10 - ABAND 83 09
64	7.42	0.215	0.36	0.82	117	870	60	16 010	1 577.9	1977	85 05
64	4.59	0.220	0.30	0.82	117	870	60	16 208	1 557.5	1977	85 05

TABLE 2-4

	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
FIELD POOL		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HIGHVALE 051-04W5 (CONTINUED)								
BANFF R	265.0	0.10		26.5		26.5	3.8	22.7
BANFF S	208.0	0.10		20.8		20.8	1.7	19.1
HILLSDOWN 037-25W4								
D-2 A	263.0	0.05		13.2		13.2	7.0	6.2
D-2 B	308.0	0.15		46.2		46.2	34.1	12.1
D-3 A	112.0	0.01		1.1		1.1	1.1	
HOMEGLEN-RIMBEY 043-01W5								
ELLERSLIE A	156.0	<0.01		0.1		0.1	0.1	
D-3	14 900.0	0.08		1 190.0		1 190.0	1 139.0	51.0
D-3 B	700.0	0.50		350.0		350.0	44.0	306.0
D-3 C	321.0	0.20		64.2		64.2	0.8	63.4
HOOKER 015-29W4								
JURASSIC A	95.3	0.10		9.5		9.5	4.9	4.6
HUSSAR 025-20W4								
GLAUCONITIC A	6 980.0	<0.47		3 270.0		3 270.0	2 938.6	331.4
GLAUCONITIC B	1 300.0	0.03		39.0		39.0	29.7	9.3
GLAUCONITIC C	37.3	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842.0	0.07		58.9		58.9	45.4	13.5
GLAUCONITIC F	74.8	<0.06		4.4		4.4	4.4	
GLAUCONITIC G	926.0	0.06		55.6		55.6	50.4	5.2
GLAUCONITIC H	108.0	<0.08		8.1		8.1	8.1	
GLAUCONITIC J	263.0	0.10		26.3		26.3	11.5	14.8
GLAUCONITIC K	119.0	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	116.0	0.15		17.5		17.5	17.4	0.1
GLAUCONITIC X	227.0	0.10		22.7		22.7	10.6	12.1
GLAUCONITIC BB	636.0	0.10		63.6		63.6	45.3	18.3
GLAUCONITIC DD	219.0	0.03		6.6		6.6	5.6	1.0
GLAUCONITIC SS	173.0	0.01		1.7		1.7	0.3	1.4
GLAUCONITIC VV	216.0	0.10		21.6		21.6	7.2	14.4
GLAUCONITIC YY	221.0	0.10		22.1		22.1	2.8	19.3
GLAUCONITIC FFF	32.6	0.10		3.3		3.3	2.0	1.3
GLAUCONITIC NNN	1 190.0	0.10		119.0		119.0	6.0	113.0
GLAUCONITIC RRR	364.0	0.01		3.6		3.6	0.7	2.9
GLAUCONITIC SSS	1 170.0	0.10		117.0		117.0	73.5	43.5
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	2.7	2.8
GLAUCONITIC VVV	71.9	<0.01		0.1		0.1	0.1	
GLAUCONITIC B2B	71.8	0.10		7.2		7.2	1.3	5.9
GLAUCONITIC H2H	104.0	0.10		10.4		10.4	0.8	9.6
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	49.3	0.01		0.5		0.5	0.5	
OSTRACOD P	125.0	<0.10		11.7		11.7	11.7	
OSTRACOD X	158.0	<0.04		4.9		4.9	3.4	1.5
OSTRACOD BB	54.6	<0.01		0.3		0.3	0.3	
OSTRACOD CC	82.9	0.10		8.3		8.3	5.3	3.0
OSTRACOD FF	88.7	0.10		8.9		8.9	2.2	6.7
OSTRACOD GG	55.7	0.10		5.6		5.6	0.1	5.5
BASAL MANNVILLE A	105.0	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222.0	0.10		22.2		22.2	13.3	8.9
BASAL MANNVILLE E	215.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	226.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE H	284.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE L	35.4	0.10		3.5		3.5	2.7	0.8
BASAL MANNVILLE M	300.0	0.10		30.0		30.0	27.0	3.0
BASAL MANNVILLE N	318.0	<0.06		19.0		19.0	19.0	
BASAL MANNVILLE O WATER FLOOD	1 910.0	0.10	0.05	191.0	95.5	287.0	182.7	104.3
BASAL MANNVILLE P	248.0	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953.0	0.06		57.2		57.2	48.2	9.0
BASAL MANNVILLE Y	175.0	0.10		17.5		17.5	13.6	3.9
BASAL MANNVILLE KK	74.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE DD	488.0	0.10		48.8		48.8	20.1	28.7
BASAL MANNVILLE QQ	113.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE SS	651.0	<0.01		1.9		1.9	1.9	
BASAL MANNVILLE UU	71.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE I&Z	276.0	0.12		33.1		33.1	29.8	3.3
BASAL MANNVILLE AAA	1 228.0	0.10		122.8		122.8	2.6	120.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	5.56	0.164	0.44	0.81	112	889	57	20 500	1 575.7	1981	82 03
64	3.72	0.152	0.30	0.82	10	865	27	3 585	1 633.0	1979	79 10
128	6.52	0.060	0.28	0.73	141	826	64	15 396	1 972.6	1980	84 12 - GPP
192	6.19	0.050	0.30	0.74	158	828	77	18 330	2 016.0	1973	81 12 - GPP
64	4.00	0.080	0.17	0.66	181	808	75	20 923	2 090.9	1985	86 05 - SUSP 85 11
64	2.70	0.150	0.25	0.80	60	898	53	11 721	1 752.0	1980	83 12 - SUSP 81 11
4 563	7.56	0.077	0.15	0.66	165	811	83	19 550	2 415.5	1953	86 12 - GPP
105	12.20	0.100	0.30	0.78	159	810	83	10 936	2 390.4	1983	85 02
64	12.60	0.090	0.33	0.66	160	820	83	19 500	2 389.5	1985	86 03
64	2.01	0.105	0.15	0.83	120	880	72	27 714	2 790.8	1980	84 09 - SUSP 85 06
675	7.07	0.210	0.14	0.81	82	844	46	10 400	1 454.2	1957	67 02
192	5.38	0.210	0.25	0.81	81	860	46	10 070	1 424.6	1959	79 12 - GPP
16	1.83	0.200	0.21	0.80	82	860	45	10 140	1 425.9	1958	64 04 - SUSP 63 01
90	6.10	0.225	0.16	0.81	78	849	41	10 000	1 367.0	1959	79 12 - GPP
32	1.83	0.200	0.21	0.80	83	860	40	10 380	1 341.7	1959	64 04 - ABAND 68 07
209	2.96	0.221	0.23	0.88	80	860	41	9 890	1 369.2	1961	83 12 - GPP
21	3.70	0.210	0.18	0.80	80	860	44	10 000	1 407.3	1964	79 01 - ABAND 78 11
192	1.86	0.140	0.36	0.82	80	838	44	10 418	1 428.6	1977	82 05 - GPP
65	1.43	0.200	0.20	0.80	80	860	43	9 960	1 423.4	1959	83 12 - SUSP 76 12
122	0.91	0.150	0.14	0.81	80	860	36	10 070	1 399.9	1965	75 12 - GPP
65	2.74	0.210	0.25	0.81	62	839	46	10 030	1 433.5	1974	77 04 - GPP
177	3.05	0.210	0.30	0.80	82	844	44	10 330	1 416.4	1965	69 08
64	3.07	0.170	0.18	0.80	80	860	43	9 790	1 396.3	1969	82 12 - GPP
64	3.00	0.150	0.25	0.80	66	857	40	10 240	1 408.0	1979	81 12 - SUSP 83 12
64	4.40	0.160	0.40	0.80	88	860	49	10 741	1 461.8	1978	80 02 - GPP
128	2.75	0.140	0.44	0.80	72	849	43	10 513	1 407.3	1979	83 03
64	0.70	0.140	0.35	0.80	86	847	43	10 441	1 403.7	1980	82 03
128	13.10	0.140	0.38	0.82	56	856	45	9 795	1 392.0	1973	85 11
64	5.50	0.210	0.40	0.82	56	857	45	7 970	1 485.3	1960	85 12
708	1.53	0.202	0.33	0.80	86	860	44	9 980	1 428.0	1960	83 06
64	1.00	0.180	0.40	0.80	86	860	44	9 915	1 447.3	1979	83 06
64	1.40	0.150	0.34	0.81	79	847	46	11 506	1 380.2	1980	84 01 - SUSP 84 06
64	1.50	0.170	0.45	0.80	82	844	43	10 292	1 386.1	1984	84 12
64	2.00	0.190	0.48	0.82	56	857	45	7 970	1 426.0	1980	86 10
64	0.76	0.230	0.10	0.79	82	860	54	10 270	1 441.7	1959	68 03 - ABAND 61 09
16	2.44	0.200	0.21	0.79	82	860	46	10 270	1 397.2	1959	68 03 - ABAND 63 04
64	1.23	0.230	0.15	0.81	62	860	49	10 170	1 398.7	1965	81 12 - SUSP 80 03
65	2.13	0.250	0.42	0.79	64	865	37	10 100	1 291.7	1977	78 12
64	1.50	0.160	0.55	0.79	80	857	54	9 808	1 469.0	1980	83 01 - ABAND 82 10
64	2.00	0.180	0.55	0.80	56	857	41	9 358	1 399.9	1980	85 12
64	1.30	0.180	0.26	0.80	84	841	40	9 955	1 430.4	1984	85 05
64	1.00	0.200	0.50	0.87	50	854	38	9 784	1 279.5	1984	85 07
33	2.13	0.220	0.14	0.80	82	849	46	10 340	1 429.8	1957	68 03 - ABAND 63 07
64	2.74	0.200	0.21	0.80	82	849	47	10 340	1 467.3	1957	71 03 - GPP
32	6.40	0.168	0.23	0.80	82	849	44	10 140	1 418.5	1959	64 04 - SUSP 63 01
33	5.79	0.200	0.25	0.80	82	849	43	10 340	1 399.9	1960	64 04 - SUSP 62 03
32	7.32	0.200	0.25	0.80	82	849	43	10 000	1 417.3	1960	68 03 - ABAND 61 12
16	1.83	0.200	0.25	0.80	82	849	46	10 310	1 499.3	1961	77 07 - SUSP 83 12
146	2.16	0.170	0.30	0.80	82	849	44	10 170	1 417.9	1964	82 12 - GPP
133	2.13	0.200	0.30	0.80	82	849	42	10 200	1 421.3	1964	83 12 - SUSP 84 05
357	6.13	0.176	0.38	0.80	81	849	44	10 100	1 414.6	1964	84 12 - GPP
65	4.57	0.150	0.30	0.80	82	849	44	10 140	1 426.2	1964	83 12 - SUSP 81 04
317	2.32	0.200	0.19	0.80	82	849	46	10 650	1 457.9	1959	82 12 - GPP
65	2.32	0.200	0.26	0.79	82	849	42	9 860	1 426.8	1959	86 12 - GPP
65	1.83	0.120	0.35	0.81	84	849	44	10 200	1 409.7	1969	70 08 - SUSP 70 01
80	9.17	0.160	0.48	0.80	61	877	37	10 180	1 440.9	1977	84 12
64	2.00	0.170	0.35	0.80	82	840	43	11 256	1 520.0	1979	83 12 - SUSP 81 04
64	11.50	0.170	0.35	0.80	63	865	39	8 727	1 499.7	1980	85 12 - SUSP 84 09
64	2.00	0.140	0.50	0.80	84	857	42	10 676	1 481.9	1980	84 12 - SUSP 83 08
50	4.78	0.190	0.24	0.80	84	849	38	10 340	1 441.7	1955	83 12 - GPP
128	12.46	0.150	0.41	0.87	52	861	49	9 887	1 417.3	1985	86 08

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HUSSAR 025-20W4 (CONTINUED)								
BASAL QUARTZ B	221.0	0.10		22.1		22.1	2.8	19.3
PEKISKO B	143.0	<0.01		0.1		0.1	0.1	
HYTHE 073-09W6								
HALFWAY A	409.0	0.10		40.9		40.9	6.1	34.8
HALFWAY B	119.0	0.10		11.9		11.9	4.5	7.4
HALFWAY C	330.0	0.10		33.0		33.0	2.7	30.3
HALFWAY D	121.0	0.10		12.1		12.1	1.1	11.0
INNISFAIL 034-01W5								
BELLY RIVER A	844.0	0.05		42.2		42.2	6.9	35.3
BELLY RIVER B	267.0	0.10		26.7		26.7	0.2	26.5
BELLY RIVER C	590.0	0.10		59.0		59.0	1.2	57.8
BLAIRMORE	88.5	<0.06		4.9		4.9	4.9	
D-3	19 700.0	0.65		12 800.0		12 800.0	11 374.7	1 425.3
IRON SPRINGS 011-20W4								
BOW ISLAND A	50.4	0.10		5.0		5.0	4.3	0.7
JAYAR 062-03W6								
DUNVEGAN A	3 450.0	0.10		345.0		345.0	102.5	242.5
DUNVEGAN B	233.0	0.10		23.3		23.3	11.1	12.2
JOARCAM 048-21W4								
VIKING TOTAL	40 000.0			15 100.0	2 610.0	17 700.0	15 617.8	2 082.2
PRIMARY AREA	14 200.0	0.38		5 400.0		5 400.0		
WATER FLOOD AREA	24 000.0	<0.37	0.10	8 980.0	2 560.0	11 500.0		
GAS CYCLING AREA	1 800.0	0.40	0.03	720.0	54.0	774.0		
VIKING C	115.0	0.05		5.8		5.8	2.1	3.7
WABAMUN A	146.0	<0.01		0.2		0.2	0.2	
JOFFRE 038-26W4								
VIKING TOTAL	14 800.0			2 490.0	3 670.0	6 160.0	5 767.7	392.3
PRIMARY AREA	325.0	0.15		48.0		48.0		
WATER FLOOD AREA	14 500.0	<0.17	0.26	2 440.0	3 670.0	6 110.0		
VIKING B	380.0	0.30		114.0		114.0	99.4	14.6
VIKING C	130.0	0.05		6.5		6.5	2.1	4.4
VIKING D	340.0	0.15		51.0	ERSO	51.0	25.7	25.3
VIKING E	123.0	0.15		18.5		18.5		18.5
BLAIRMORE A	192.0	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304.0	0.13		39.4		39.4	32.8	6.6
BLAIRMORE F	76.3	0.10		7.6		7.6	2.5	5.1
DETRITAL B	37.9	0.10		3.8		3.8		3.8
D-2 TOTAL	26 900.0			8 040.0	1 600.0	9 640.0	6 847.7	2 792.3
PRIMARY AREA	253.0	0.15		38.0		38.0		
WATER FLOOD AREA	26 600.0	0.30	0.06	8 000.0	1 600.0	9 600.0		
D-3 A	30.3	0.10		3.0		3.0	2.5	0.5
JOHNSON 017-14W4								
DETRITAL A	13.9	<0.02		0.2		0.2	0.2	
JOSEPHINE 083-09W6								
KISKATINAW B	149.0	0.02		3.0		3.0	1.1	1.9
JUDY CREEK 063-11W5								
VIKING A	6 000.0	0.15		900.0		900.0	681.1	218.9
VIKING D	307.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE A TOTAL	130 000.0			20 800.0	37 200.0	58 000.0	44 854.3	13 145.7
SOLVENT FLOOD AREA	37 100.0	0.16	0.35	5 940.0	13 100.0	19 000.0		
WATER FLOOD AREA	92 900.0	0.16	0.26	14 900.0	24 100.0	39 000.0		
BEAVERHILL LAKE B TOTAL	41 400.0			8 280.0	10 300.0	18 600.0	15 066.6	3 533.4
PRIMARY AREA	85.0	0.20		17.0		17.0		
WATER FLOOD AREA	41 300.0	0.20	0.25	8 260.0	10 300.0	18 600.0		
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE TOTAL	1 280.0			255.0	167.0	422.0	345.1	76.9
PRIMARY AREA	165.0	0.20		33.0		33.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.80	0.180	0.50	0.80	70	870	30	9 736	1 335.8	1981	83 02
64	5.00	0.080	0.32	0.82	75	854	47	10 169	1 441.5	1980	81 10 - ABAND 83 02
128	7.14	0.090	0.28	0.69	149	829	64	22 263	2 260.5	1981	83 03 - GPP
64	5.50	0.063	0.20	0.67	155	825	62	21 888	2 203.0	1978	82 12 - GPP
128	5.36	0.093	0.25	0.69	250	827	75	22 360	2 178.8	1981	85 05
64	5.45	0.080	0.36	0.68	188	830	62	19 423	2 231.0	1979	86 02 - GPP
128	9.08	0.150	0.45	0.88	36	816	36	5 393	1 208.5	1982	86 12
64	6.15	0.140	0.45	0.88	36	815	43	4 937	1 195.4	1983	84 05 - SUSP 86 01
64	11.90	0.160	0.45	0.88	36	876	43	8 438	1 292.8	1983	84 05 - SUSP 86 01
16	4.88	0.200	0.15	0.66	154	834	78	16 800	2 053.7	1956	64 04 - SUSP 60 06
3 034	23.47	0.060	0.13	0.53	300	806	92	24 510	2 615.8	1957	86 12
64	0.93	0.150	0.40	0.94	25	876	21	5 558	868.3	1977	85 08 - GPP
758	9.10	0.110	0.30	0.65	185	752	66	23 965	2 330.1	1979	81 12
64	7.84	0.102	0.30	0.65	185	752	76	23 910	2 394.0	1981	81 12
8 205					34	834	36	6 000	990.0	1949	86 06
3 496	3.18	0.197	0.28	0.90							
4 427	4.33	0.193	0.28	0.90							
282	5.00	0.197	0.28	0.90							
128	0.95	0.170	0.38	0.90	45	859	32	5 561	1 000.6	1981	84 11
64	6.50	0.075	0.45	0.85	64	836	40	7 403	1 188.8	1980	84 12 - SUSP 83 10
8 219					67	820	51	7 720	1 517.6	1953	79 08 - GPP
539	1.08	0.111	0.38	0.81							
7 680	3.39	0.111	0.38	0.81							
785	0.83	0.120	0.40	0.81	66	817	56	7 696	1 538.5	1981	85 12
128	1.55	0.120	0.34	0.83	70	817	30	8 296	1 603.4	1984	85 08
500	1.06	0.120	0.34	0.81	66	817	56	7 842	1 602.3	1981	86 10
128	3.00	0.070	0.43	0.80	99	820	44	12 850	1 559.5	1985	86 08
32	7.96	0.130	0.28	0.80	71	860	71	14 130	1 754.1	1958	64 04 - ABAND 70 06
162	2.44	0.130	0.25	0.79	76	860	67	14 550	1 733.1	1959	75 12 - GPP
65	2.44	0.100	0.40	0.80	84	870	67	14 850	1 723.9	1975	77 06 - GPP
64	1.46	0.080	0.35	0.78	91	878	69	15 351	1 733.8	1985	86 08
10 543					130	815	77	17 510	2 134.5	1956	82 12 - GPP
200	8.80	0.044	0.23	0.73							
10 343	10.40	0.044	0.23	0.73							
64	0.90	0.080	0.10	0.73	110	824	79	12 500	2 212.5	1964	86 01 - GPP
16	1.00	0.220	0.52	0.82	70	888	54	10 652	1 033.0	1983	83 10 - SUSP 83 10
64	4.90	0.097	0.30	0.70	150	904	51	15 130	1 749.7	1975	82 12 - SUSP 81 12
4 206	1.46	0.170	0.34	0.87	48	839	54	9 061	1 409.3	1969	83 05 - GPP
65	4.57	0.170	0.30	0.87	51	849	48	8 360	1 486.2	1977	83 12 - SUSP 78 01
11 620					122	820	96	24 200	2 641.1	1959	85 12
3 316	20.84	0.090	0.16	0.71							
8 304	20.84	0.090	0.16	0.71							
4 602					184	815	97	24 820	2 695.0	1959	85 05
64	4.30	0.060	0.17	0.62							
4 538	19.54	0.092	0.17	0.61							
1 084					229	815	85	24 820	2 738.6	1961	86 07
128	4.60	0.060	0.18	0.57							

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
JUDY CREEK SOUTH 062-11W5 (CONTINUED)								
WATER FLOOD AREA	1 110.0	0.20	0.15	222.0	167.0	389.0		
BEAVERHILL LAKE B	489.0	0.12		58.7		58.7	40.7	18.0
BEAVERHILL LAKE C	1 500.0	0.10		150.0		150.0	70.5	79.5
BEAVERHILL LAKE D	283.0	0.15		42.5		42.5	0.5	42.0
JUMPBUSH 020-19W4								
UPPER MANNVILLE A	2 820.0	0.10		282.0		282.0	91.8	190.2
UPPER MANNVILLE E	384.0	0.15		57.6		57.6	34.8	22.8
UPPER MANNVILLE F	265.0	0.10		26.5		26.5	12.4	14.1
UPPER MANNVILLE G	102.0	0.01		1.0		1.0	0.8	0.2
UPPER MANNVILLE I	455.0	0.15		68.3		68.3	4.8	63.5
KAKUT 075-03W6								
CHARLIE LAKE A	360.0	0.15		54.0		54.0	12.1	41.9
KAKWA 063-05W6								
MAIN CARDIUM A	1 020.0	0.05		51.0		51.0	20.8	30.2
MAIN CARDIUM C	34.6	0.05		1.7		1.7	0.1	1.6
A CARDIUM A TOTAL	3 940.0			591.0	260.0	851.0	374.2	476.8
PRIMARY AREA	1 340.0	0.15		201.0		201.0		
GAS FLOOD AREA	2 600.0	0.15	0.10	390.0	260.0	650.0		
C CARDIUM A	291.0	0.13		37.8		37.8	19.9	17.9
C CARDIUM B	324.0	0.12		38.9		38.9	12.6	26.3
DUNVEGAN A	204.0	<0.01		0.9		0.9	0.9	
DUNVEGAN B	99.9	0.10		10.0		10.0	1.7	8.3
DUNVEGAN C	186.0	0.10		18.6		18.6	6.4	12.2
KARR 066-02W6								
DUNVEGAN A	137.0	0.10		13.7		13.7	0.1	13.6
KAYBOB 064-19W5								
GETHING C	186.0	<0.01		0.1		0.1	0.1	
GETHING D	205.0	<0.01		0.7		0.7	0.7	
GETHING E	931.0	0.10		93.1		93.1	3.2	89.9
GETHING F	406.0	0.10		40.6		40.6	1.3	39.3
CADOMIN B	5 760.0	<0.02		80.0		80.0	71.7	8.3
CADOMIN C	72.9	0.10		7.3		7.3	5.6	1.7
NISKU C	1 100.0	<0.01		7.5		7.5	7.5	
BEAVERHILL LAKE A WATER FLOOD	47 700.0	0.16	0.26	7 630.0	12 400.0	20 000.0	15 455.9	4 544.1
BEAVERHILL LAKE B	1 270.0	0.16		203.0		203.0	105.3	97.7
KAYBOB SOUTH 060-19W5								
DUNVEGAN A	174.0	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808.0	0.03		24.2		24.2	12.9	11.3
BLUESKY A	63.9	<0.01		0.6		0.6	0.6	
GETHING C	98.7	<0.01		0.4		0.4	0.4	
TRIASSIC A TOTAL	34 630.0			5 840.0	11 900.0	17 740.0	11 575.4	6 164.6
PRIMARY AREA	331.0	0.15		49.7		49.7		
SOLVENT FLOOD AREA	14 500.0	0.17	0.44	2 420.0	6 380.0	8 800.0		
WATER FLOOD AREA	19 800.0	0.17	0.30	3 370.0	5 530.0	8 900.0		
KEHO 011-22W4								
COLORADO A	388.0	0.10		38.8		38.8	26.2	12.6
BOW ISLAND C	345.0	0.03		10.4		10.4	5.4	5.0
BOW ISLAND F	276.0	0.10		27.6		27.6	5.5	22.1
BOW ISLAND G	413.0	0.10		41.3	ERSD	41.3	17.5	23.8
ELKTON A	192.0	0.08		15.4		15.4	9.7	5.7
PEKISKO A	242.0	<0.02		2.7		2.7	2.7	
KELSEY 044-18W4								
LOWER MANNVILLE A	103.0	0.10		10.3		10.3	0.2	10.1
KIDNEY 092-05W5								
KEG RIVER A	875.0	0.25		219.0		219.0	16.0	203.0
KEG RIVER B	136.0	0.25		34.0		34.0	3.7	30.3
KILLAM 043-10W4								
UPPER VIKING B	318.0	0.15		47.7		47.7	45.5	2.2
UPPER VIKING C	44.8	0.10		4.5		4.5	2.9	1.6
UPPER VIKING D	28.4	0.10		2.8		2.8	0.5	2.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
956	3.60	0.069	0.18	0.57							
400	4.47	0.050	0.23	0.71	112	815	89	25 350	2 707.5	1961	82 06
1 230	3.08	0.068	0.18	0.71	112	815	84	23 170	2 726.1	1971	85 12
128	8.50	0.050	0.35	0.80	176	828	92	24 086	2 699.5	1984	85 04 - SUSP 86 05
341	6.20	0.210	0.25	0.85	75	876	41	11 940	1 368.0	1977	82 06
128	2.10	0.210	0.20	0.85	75	876	41	11 700	1 350.7	1977	82 06
64	4.62	0.160	0.30	0.80	93	865	39	11 980	1 344.3	1976	79 07 - GPP
64	1.70	0.180	0.35	0.80	90	865	36	12 521	1 354.5	1980	83 12 - GPP
64	4.30	0.240	0.18	0.84	72	861	40	11 317	1 303.2	1984	85 04
247	1.88	0.134	0.32	0.85	68	847	49	13 715	1 510.0	1982	85 11
320	5.34	0.110	0.18	0.66	192	790	53	20 248	1 813.4	1979	81 12
64	1.41	0.086	0.28	0.62	132	798	53	20 209	1 757.6	1979	81 07 - SUSP 83 08
2 752					254	794	52	21 248	1 826.1	1978	86 05
1 344	1.91	0.110	0.21	0.60							
1 408	3.26	0.120	0.20	0.59							- GPP
256	1.51	0.150	0.15	0.59	300	780	52	21 213	1 852.7	1979	80 07
204	2.61	0.120	0.16	0.59	268	790	55	20 558	1 785.6	1980	85 02 - GPP
64	7.00	0.100	0.30	0.65	185		67	22 429	2 453.5	1980	81 02 - SUSP 81 03
64	5.20	0.110	0.58	0.65	160	811	74	27 500	2 346.1	1981	82 04 - SUSP 86 01
64	5.10	0.120	0.35	0.73	119	830	67	21 650	2 436.8	1980	86 11
64	3.62	0.120	0.40	0.82	72	837	49	12 923	1 627.9	1984	86 01 - SUSP 85 10
64	6.70	0.100	0.49	0.85	48	885	71	14 178	1 754.2	1981	83 12 - SUSP 82 09
64	2.70	0.170	0.17	0.84	96	874	60	14 175	1 753.9	1981	84 12 - SUSP 83 03
64	15.98	0.157	0.31	0.84	64	874	60	14 380	1 835.6	1985	86 01
64	7.49	0.155	0.35	0.84	70	889	60	13 328	1 828.9	1985	86 09
1 040	5.82	0.160	0.30	0.85	57	887	73	14 480	1 810.5	1962	83 12 - GPP
45	1.83	0.160	0.30	0.79	56	892	66	14 200	1 740.6	1966	83 12 - GPP
64	36.00	0.072	0.15	0.78	100	837	74	13 880	2 541.5	1978	85 07 - SUSP 84 03
7 288	18.29	0.074	0.22	0.62	199	811	113	31 920	2 980.9	1957	65 02
501	8.78	0.064	0.26	0.61	435	797	109	30 270	2 949.5	1961	76 08
64	3.64	0.160	0.40	0.78	94	830	60	12 410	1 618.4	1977	79 11 - ABAND 83 01
256	4.33	0.130	0.34	0.85	82	831	55	13 710	1 658.6	1979	86 12 - GPP
65	1.52	0.120	0.28	0.75	103	829	82	12 800	2 024.8	1976	83 12 - ABAND 80 02
64	3.06	0.120	0.40	0.70	156	824	82	14 451	2 077.8	1979	84 12 - SUSP 84 09
8 506					123	815	86	17 450	2 095.5	1963	86 07
192	2.15	0.130	0.13	0.71							
3 249	6.73	0.105	0.11	0.71							
5 065	5.89	0.105	0.11	0.71							
256	1.25	0.187	0.28	0.90	24	870	38	7 580	1 133.2	1974	75 09 - GPP
65	6.95	0.163	0.50	0.94	20	839	49	3 480	1 175.6	1975	80 12 - GPP
128	2.90	0.150	0.45	0.90	27	819	31	3 866	991.9	1981	86 04
270	1.70	0.135	0.30	0.95	27	873	31	5 604	957.5	1984	86 03
64	3.05	0.160	0.14	0.71	128	839	42	14 840	1 550.2	1973	83 12 - GPP
64	19.00	0.030	0.15	0.78	92	878	50	18 777	1 902.5	1979	83 12 - ABAND 83 10
64	1.50	0.210	0.40	0.85	58	856	42	7 188	1 129.7	1982	83 06 - SUSP 83 12
256	10.70	0.055	0.34	0.88	42	834	38	4 800	1 290.2	1985	86 06
64	7.90	0.050	0.36	0.84	43	825	39	9 370	1 374.2	1985	86 06
244	1.16	0.190	0.35	0.91	38	849	27	5 582	783.3	1958	75 12 - GPP
32	1.22	0.250	0.50	0.91	39	849	28	5 630	788.2	1973	83 12
32	1.30	0.150	0.50	0.91	39	887	37	5 020	788.5	1971	79 06 - SUSP 85 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
KILLAM 043-10W4 (CONTINUED)								
UPPER VIKING E	70.0	0.10		7.0		7.0	0.3	6.7
UPPER VIKING H	388.0	0.10		38.8		38.8	9.8	29.0
GLAUCONITIC S	2 000.0	0.40		800.0		800.0	133.9	666.1
KITTY 086-12W5								
SLAVE POINT A	207.0	0.30		62.1		62.1	3.8	58.3
SLAVE POINT B	408.0	0.30		122.0		122.0	24.6	97.4
SLAVE POINT C	333.0	0.30		99.9		99.9	17.6	82.3
SLAVE POINT D	55.0	0.30		16.5		16.5	2.1	14.4
SLAVE POINT E	134.0	0.10		13.4		13.4	2.0	11.4
SLAVE POINT F	103.0	0.30		30.9		30.9	1.7	29.2
GRANITE WASH A	83.7	0.15		12.6		12.6	5.1	7.5
KNAPPEN 001-11W4								
LOWER MANNVILLE A	318.0	0.10		31.8		31.8	31.5	0.3
LOWER MANNVILLE B	278.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE C	378.0	0.08		30.4		30.4	22.1	8.3
LOWER MANNVILLE F	229.0	0.05		11.5		11.5	4.2	7.3
KNOPCIK 074-10W6								
CHARLIE LAKE A	222.0	0.10		22.2		22.2	0.1	22.1
HALFWAY A	193.0	0.10		19.3		19.3	0.5	18.8
LACOMBE 040-26W4								
NISKU A	113.0	0.13		14.7		14.7	13.3	1.4
NISKU B	75.6	0.10		7.6		7.6	3.6	4.0
NISKU C	176.0	0.20		35.2		35.2	14.1	21.1
LANAWAY 036-03W5								
CARDIUM	2 920.0	0.10		292.0		292.0	180.8	111.2
CARDIUM B	292.0	<0.01		0.6		0.6	0.6	
CARDIUM C	732.0	0.05		36.6		36.6	28.3	8.3
CARDIUM D	92.9	0.10		9.3		9.3	1.1	8.2
SECOND WHITE SPECKS A	334.0	0.04		13.4		13.4	11.4	2.0
MANNVILLE	3 500.0	0.10		350.0		350.0	186.7	163.3
MANNVILLE B	320.0	0.05		16.0		16.0	5.7	10.3
MANNVILLE C	23.0	0.10		2.3		2.3	0.3	2.0
MANNVILLE D	145.0	0.10		14.5		14.5	6.6	7.9
MANNVILLE E	391.0	0.03		11.7		11.7	1.2	10.5
MANNVILLE F	223.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC A & BASAL QUARTZ A	229.0	0.03		7.0		7.0	1.0	6.0
ELKTON A	1 010.0	0.10		101.0		101.0	7.7	93.3
PEKISKO A	101.0	0.10		10.1		10.1	2.7	7.4
D-2 A	243.0	0.20		48.6		48.6	7.4	41.2
D-3 A	245.0	0.01		2.4		2.4	2.4	
LARNE 116-03W6								
MUSKEG B	144.0	0.10		14.4		14.4	9.1	5.3
KEG RIVER A	350.0	0.20		70.0		70.0	15.8	54.2
KEG RIVER B	340.0	0.10		34.0		34.0	23.8	10.2
KEG RIVER C	718.0	0.07		50.3		50.3	45.8	4.5
KEG RIVER D	397.0	0.20		79.4		79.4	62.2	17.2
KEG RIVER E	338.0	0.20		67.7		67.7	51.0	16.7
KEG RIVER F	127.0	0.10		12.7		12.7	10.7	2.0
KEG RIVER G	284.0	<0.14		37.8		37.8	37.8	
KEG RIVER H	413.0	0.03		12.4		12.4	11.8	0.6
KEG RIVER I	478.0	<0.05		19.6		19.6	19.6	
KEG RIVER J	510.0	<0.02		7.7		7.7	7.7	
KEG RIVER K	397.0	0.15		59.6		59.6	52.2	7.4
KEG RIVER L	292.0	<0.04		9.4		9.4	9.4	
KEG RIVER M	280.0	0.20		56.0		56.0	8.0	48.0
KEG RIVER N	238.0	<0.07		14.5		14.5	14.5	
KEG RIVER O	143.0	<0.19		26.9		26.9	26.9	
KEG RIVER P	346.0	0.10		34.6		34.6	13.9	20.7
KEG RIVER Q	159.0	<0.07		10.6		10.6	10.6	
KEG RIVER R	159.0	0.25		39.8		39.8	30.2	9.6
KEG RIVER S	600.0	0.03		18.0		18.0	10.9	7.1
KEG RIVER T	1 100.0	0.03		33.0		33.0	2.9	30.1
KEG RIVER U	168.0	0.20		33.6		33.6	5.2	28.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.50	0.160	0.50	0.91	39	854	34	6 220	817.3	1979	79 10 - SUSP 85 02
160	2.15	0.210	0.41	0.91	26	851	36	4 315	795.5	1981	84 11
189	4.99	0.268	0.86	0.92	39	860	34	6 100	949.3	1979	86 10
64	9.23	0.050	0.23	0.91	31	829	46	3 775	1 533.9	1985	86 02
192	4.50	0.070	0.25	0.90	33	835	45	4 200	1 504.5	1982	86 03
64	7.19	0.098	0.17	0.89	35	836	44	4 250	1 533.2	1984	84 08
64	3.00	0.045	0.30	0.91	30		38	5 171	1 538.5	1980	81 02
64	8.80	0.045	0.42	0.91	32	857	38	4 300	1 478.3	1982	83 02 - SUSP 86 03
64	3.90	0.070	0.35	0.91	32	837	38	4 750	1 532.3	1980	82 06
64	1.40	0.160	0.27	0.80	76	832	54	8 500	1 562.7	1983	84 06
97	2.44	0.200	0.30	0.96	18	820	28	9 510	961.3	1965	77 12 - GPP
65	2.44	0.250	0.20	0.88	42	829	28	6 840	831.8	1966	83 12 - SUSP 76 02
130	1.52	0.250	0.20	0.96	18	844	34	6 030	814.4	1972	73 12 - GPP
64	3.70	0.200	0.45	0.88	51	830	29	6 500	810.9	1975	83 12 - GPP
64	3.30	0.200	0.25	0.70	120	821	76	8 409	2 124.9	1981	82 11 - SUSP 84 08
64	7.99	0.084	0.35	0.69	149	807	64	21 668	2 201.7	1982	83 03
64	6.18	0.060	0.32	0.70			70		1 992.8	1958	78 12 - GPP
64	4.20	0.055	0.30	0.73	105	810	73	16 478	1 984.3	1982	85 03 - GPP
128	3.05	0.076	0.15	0.70	143	822	67	17 025	1 972.2	1982	85 03 - GPP
1 869	2.35	0.110	0.28	0.84	53	825	54	15 314	1 807.5	1960	82 07
129	3.66	0.090	0.22	0.88	53	839	54		1 773.6	1973	73 12 - ABAND 73 11
256	4.30	0.110	0.28	0.84	53	825	54	20 430	1 776.9	1960	86 12
128	1.00	0.120	0.28	0.84	52	841	58	21 777	1 819.5	1984	86 01
65	8.53	0.120	0.30	0.72	89	865	59	21 900	1 860.0	1977	83 12 - GPP
840	6.60	0.110	0.25	0.76	71	876	60	16 690	2 274.9	1959	83 11
64	6.80	0.124	0.22	0.76	76	853	76	18 783	2 320.5	1981	84 01
64	1.00	0.090	0.50	0.80	88	853	64	10 266	2 298.5	1981	82 06 - GPP
64	3.70	0.120	0.25	0.68	134	861	72	18 653	2 294.2	1981	83 03
64	15.90	0.100	0.52	0.80	100	892	66	18 420	2 356.3	1982	84 12
64	6.00	0.150	0.43	0.68	152	843	82	16 123	2 237.8	1980	84 07 - SUSP 83 04
128	4.07	0.090	0.39	0.80	82	874	60	16 680	2 229.0	1979	82 05 - SUSP 85 02
128	12.35	0.120	0.29	0.75	103	904	74	18 150	2 395.8	1974	85 09
64	5.26	0.060	0.35	0.77	99	876	64	17 499	2 267.3	1977	84 03
64	10.70	0.055	0.14	0.75	95	810	75	12 500	2 866.2	1985	86 07
65	7.92	0.100	0.15	0.56	261	788	82	24 240	2 923.3	1964	73 02 - SUSP 72 09
35	17.68	0.040	0.35	0.90	35	898	64	13 650	1 407.3	1973	80 11 - SUSP 86 03
12	51.90	0.078	0.20	0.90	22	887	69	13 470	1 429.8	1969	86 02
17	37.45	0.075	0.20	0.89	37	898	61	13 460	1 415.8	1968	83 12 - GPP
16	60.96	0.092	0.10	0.88	46	898	61	13 710	1 427.1	1968	81 12
9	72.10	0.089	0.21	0.87	38	876	70	13 800	1 467.3	1968	83 01
17	39.93	0.071	0.20	0.88	31	876	72	13 470	1 425.2	1969	73 12
21	29.75	0.032	0.30	0.89	37	892	61	12 890	1 399.6	1969	78 07 - GPP
13	47.61	0.061	0.15	0.89	35	898	63	13 410	1 410.3	1969	83 12 - SUSP 79 09
14	56.93	0.071	0.18	0.89	27	887	62	13 090	1 417.6	1971	84 05 - SUSP 85 01
13	47.37	0.098	0.10	0.88	39	881	62	13 070	1 409.1	1971	81 12 - SUSP 79 12
15	42.34	0.107	0.13	0.89	35	887	61	12 450	1 421.3	1971	83 12 - SUSP 80 02
13	48.62	0.083	0.18	0.90	35	887	61	13 310	1 408.2	1972	85 12 - GPP
11	58.61	0.066	0.22	0.88	43	887	50	13 130	1 444.4	1971	86 12 - SUSP 85 01
12	38.60	0.084	0.18	0.88	35	892	64	13 170	1 413.7	1972	84 12 - SUSP 85 11
27	22.77	0.055	0.20	0.88	33	892	54	14 320	1 397.2	1972	81 12 - SUSP 80 04
7	40.14	0.064	0.15	0.90	31	904	64	14 820	1 406.7	1971	86 12 - SUSP 85 03
16	38.10	0.078	0.20	0.90	35	910	70	13 360	1 410.6	1972	80 11 - SUSP 86 03
14	17.98	0.078	0.11	0.90	27	904	63	13 560	1 411.8	1971	81 12 - ABAND 82 02
25	18.17	0.049	0.20	0.89	45	881	62	13 830	1 413.4	1969	83 12 - SUSP 86 01
28	57.33	0.070	0.40	0.89	22	869	80	13 622	1 445.5	1982	84 12 - SUSP 86 05
64	43.50	0.060	0.25	0.88	38	920	61	13 566	1 416.5	1983	83 08
19	18.00	0.050	0.13	0.88	38	909	61	12 887	1 408.5	1983	84 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
LARNE 116-03W6 (CONTINUED)								
KEG RIVER V	420.0	0.10		42.0		42.0	10.7	31.3
KEG RIVER W	272.0	0.15		40.8		40.8	3.4	37.4
KEG RIVER X	79.3	0.25		19.8		19.8	4.5	15.3
KEG RIVER Y	372.0	0.10		37.2		37.2	2.0	35.2
KEG RIVER Z	718.0	0.20		144.0		144.0	3.3	140.7
KEG RIVER AA	100.0	0.25		25.0		25.0	1.1	23.9
KEG RIVER BB	321.0	0.25		80.3		80.3	2.0	78.3
KEG RIVER CC	586.0	0.25		147.0		147.0	5.5	141.5
LATOR 063-02W6								
DUNVEGAN A	1 540.0	0.10		154.0		154.0	116.9	37.1
LATORNELL 063-01W6								
DUNVEGAN A	1 310.0	<0.01		1.3		1.3	1.3	
LEAHURST 039-18W4								
VIKING E	293.0	0.10		29.3		29.3		29.3
MANNVILLE C	70.9	<0.02		1.0		1.0	1.0	
MANNVILLE M	153.0	0.10		15.3		15.3	1.7	13.6
BASAL QUARTZ A	110.0	0.05		5.5		5.5	1.6	3.9
BASAL QUARTZ B	45.9	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	137.0	0.10		13.7		13.7	1.2	12.5
LEAMAN 055-12W5								
LOWER MANNVILLE G	359.0	0.10		35.9		35.9	11.9	24.0
NORDEGG A	383.0	0.10		38.3		38.3	0.8	37.5
NORDEGG C	160.0	0.15		24.0		24.0	2.8	21.2
LEDUC-WOODBEND 050-26W4								
BLAIRMORE A	1 450.0	0.20		290.0		290.0	274.8	15.2
BLAIRMORE B	27.3	<0.08		2.1		2.1	2.1	
BLAIRMORE C	53.1	<0.01		0.1		0.1	0.1	
BLAIRMORE D	404.0	<0.03		9.8		9.8	9.8	
BLAIRMORE E	605.0	<0.04		23.3		23.3	23.3	
BLAIRMORE G	130.0	<0.01		0.7		0.7	0.7	
BLAIRMORE H	37.8	<0.02		0.4		0.4	0.4	
BLAIRMORE J	1 330.0	0.47		625.0		625.0	576.1	48.9
BLAIRMORE K	307.0	0.15		46.1		46.1	41.9	4.2
BLAIRMORE CC	256.0	0.02		5.1		5.1	1.0	4.1
BLAIRMORE GG	145.0	<0.01		0.2		0.2	0.2	
BLAIRMORE KK	248.0	0.10		24.8		24.8	1.5	23.3
BLAIRMORE NN	496.0	0.05		24.8		24.8	0.6	24.2
GLAUCONITIC A	305.0	0.10		30.5		30.5	0.9	29.6
D-1 A	159.0	<0.03		4.0		4.0	4.0	
D-1 B	54.7	<0.18		9.8		9.8	9.8	
D-2 A WATER FLOOD	32 700.0	<0.34	0.10	10 900.0	3 270.0	14 200.0	14 063.6	136.4
D-2 B	12 500.0	0.27		3 380.0		3 380.0	3 253.1	126.9
D-2 C	413.0	0.52		215.0		215.0	214.1	0.9
D-2 D	99.5	0.57		56.7		56.7	53.5	3.2
D-2 E	192.0	0.63		121.0		121.0	115.8	5.2
D-2 F	318.0	0.20		63.6		63.6	52.8	10.8
D-3 A WATER FLOOD	61 200.0	0.55	0.10	33 700.0	6 120.0	39 800.0	38 744.7	1 055.3
D-3 B	2 380.0	0.50		1 190.0		1 190.0	1 171.3	18.7
D-3 C	144.0	0.51		73.7		73.7	73.7	
D-3 D	113.0	0.39		44.3		44.3	44.3	
D-3 E	403.0	0.10		40.3		40.3	25.6	14.7
D-3 F	1 030.0	0.70		721.0		721.0	565.6	155.4
D-3 G	153.0	0.30		45.9		45.9	16.4	29.5
D-3 H	105.0	0.40		42.0		42.0	3.8	38.2
D-3 I	235.0	0.50		118.0		118.0	6.5	111.5
D-3 J	180.0	0.40		72.0		72.0	3.4	68.6
D-3 K	84.3	<0.01		0.3		0.3	0.3	
LEEDALE 043-04W5								
BELLY RIVER C	652.0	0.10		65.2		65.2	4.0	61.2
CARDIUM A	354.0	0.05		17.7		17.7	7.0	10.7
CARDIUM B	111.0	0.10		11.1		11.1	1.4	9.7
LEGAL 057-25W4								
MIDDLE VIKING A	410.0	0.50		205.0		205.0	193.5	11.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
11	51.70	0.114	0.25	0.88	38	894	61	12 615	1 408.3	1983	85 12
14	24.30	0.100	0.12	0.88	47	919	62	13 241	1 408.9	1984	85 06
12	19.50	0.050	0.23	0.88	43	884	48	13 026	1 415.4	1972	85 12
64	11.00	0.075	0.20	0.88	32	889	72	6 209	1 426.5	1985	86 06
64	27.50	0.060	0.20	0.85	54	880	59	8 100	1 445.8	1985	85 12
16	18.14	0.045	0.13	0.88	35	900	63	6 930	1 401.2	1985	86 02
64	19.00	0.040	0.25	0.88	35	917	63	6 930	1 407.5	1985	86 03
64	17.50	0.070	0.15	0.88	37	894	65	7 100	1 431.3	1985	86 03
612	2.83	0.174	0.30	0.73	119	829	67	22 830	2 174.4	1957	71 04
192	10.54	0.125	0.30	0.74	119	830	67	21 650	1 934.1	1985	86 05 - SUSP 86 04
64	7.40	0.125	0.45	0.90	35	876	43	6 545	1 100.9	1982	83 03
64	0.92	0.210	0.40	0.95	18	892	44	10 480	1 262.8	1974	84 12 - SUSP 84 01
64	2.70	0.150	0.38	0.95	16	877	39	10 581	1 284.0	1982	82 12
64	2.50	0.150	0.46	0.85	57	897	55	10 726	1 299.7	1978	84 12
64	1.10	0.150	0.45	0.79	88	860	55	10 575	1 303.9	1979	84 12 - SUSP 84 12
64	2.40	0.150	0.30	0.85	66	873	46	9 335	1 235.2	1980	80 12 - SUSP 84 07
192	2.94	0.122	0.34	0.79	87	886	71	16 139	1 877.6	1981	85 09
64	11.90	0.117	0.50	0.86	65	878	50	12 501	1 614.9	1981	82 05
32	6.37	0.158	0.43	0.87	52	923	59	10 659	1 612.3	1985	86 03
338	3.90	0.183	0.23	0.78	94	834	57	9 790	1 305.2	1951	81 12 - GPP
16	1.86	0.150	0.25	0.81	93	834	57	9 650	1 297.8	1954	71 12 - ABAND 62 06
16	4.57	0.150	0.28	0.79	93	825	58	10 170	1 316.7	1954	62 05 - ABAND 56 08
69	8.23	0.150	0.45	0.86	53	887	57	10 340	1 376.2	1952	74 04 - ABAND 74 03
65	10.97	0.150	0.28	0.79	98	825	60	10 240	1 347.8	1952	62 10 - SUSP 85 01
16	9.45	0.150	0.28	0.79	93	825	59	10 240	1 358.5	1953	68 03 - ABAND 54 11
16	2.74	0.150	0.28	0.79	93	825	56	9 760	1 278.6	1950	68 03 - ABAND 51 05
256	4.15	0.200	0.20	0.78	93	825	54	9 650	1 287.5	1948	86 12 - GPP
119	3.05	0.143	0.28	0.82	98	825	62	10 340	1 334.7	1951	82 12 - SUSP 84 10
64	4.60	0.150	0.28	0.80	98	825	60	10 270	1 317.0	1977	79 12 - GPP
64	2.40	0.220	0.45	0.78	98	850	60	9 208	1 292.6	1980	80 12 - SUSP 80 11
64	4.00	0.220	0.45	0.80	83	827	54	9 460	1 304.3	1983	83 11 - SUSP 84 06
64	7.00	0.200	0.30	0.79	83	974	54	7 560	1 356.2	1949	86 11
64	4.60	0.180	0.36	0.90	33	840	45	4 500	1 306.5	1985	86 03
65	5.39	0.074	0.25	0.82	71	820	58	9 890	1 366.1	1963	75 12 - SUSP 75 03
98	0.91	0.100	0.25	0.82	74	820	54	10 310	1 382.3	1964	68 03 - SUSP 73 05
9 169	18.90	0.034	0.26	0.75	115	834	63	12 200	1 555.4	1947	83 12 - GPP
4 641	11.33	0.048	0.34	0.75	98	834	60	12 650	1 603.9	1950	85 05 - GPP
309	5.18	0.043	0.20	0.75	110	834	62	12 200	1 660.2	1950	83 12 - GPP
110	8.08	0.020	0.30	0.80	109	834	63	12 200	1 660.2	1951	83 12 - GPP
128	9.02	0.028	0.30	0.85	109	834	62	12 200	1 593.2	1950	81 12 - GPP
199	8.29	0.033	0.24	0.77	111	834	64	13 070	1 653.5	1964	77 12 - GPP
8 812	10.80	0.100	0.14	0.75	98	825	66	13 070	1 620.0	1947	85 12
751	7.99	0.060	0.13	0.76	85	825	66	13 070	1 653.5	1948	73 12 - GPP
53	5.18	0.080	0.13	0.76	85	825	67	13 070	1 649.6	1950	71 12 - ABAND 71 10
24	8.84	0.080	0.13	0.76	85	825	67	13 070	1 590.1	1949	72 05 - ABAND 66 01
65	10.67	0.090	0.14	0.75	85	825	48	11 620	1 634.6	1967	83 12 - GPP
81	20.91	0.093	0.10	0.73	94	825	61	11 710	1 658.1	1968	76 02 - GPP
65	4.27	0.090	0.19	0.76	103	839	66	11 790	1 702.9	1974	75 11 - GPP
64	4.00	0.065	0.17	0.76	99	847	74	13 000	1 659.2	1984	86 03 - GPP
64	5.50	0.100	0.12	0.76	98	833	66	3 792	1 653.3	1985	85 11 - GPP
64	7.00	0.066	0.20	0.76	99	848	75	14 149	1 690.5	1985	86 03
64	1.70	0.120	0.15	0.76	94	812	63	10 444	1 687.2	1985	86 06 - SUSP 86 01
128	6.02	0.150	0.32	0.83	75	845	45	10 100	1 274.5	1981	86 06
128	2.93	0.150	0.10	0.70	133	829	59	14 970	1 625.3	1971	79 07 - GPP
64	2.78	0.097	0.20	0.80	65	805	58	9 766	1 606.7	1983	83 11
213	1.55	0.180	0.25	0.92	36	876	36	5 860	853.7	1952	83 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	10^3m^3	10^3m^3
LEGAL 057-25W4 (CONTINUED)								
MANNVILLE B	38.1	<0.03		1.0		1.0	1.0	
D-3 A	32.4	<0.01		0.1		0.1	0.1	
LELAND 059-25W5								
CARDIUM A	102.0	0.10		10.2		10.2	0.5	9.7
SECOND WHITE SPECKS A	164.0	0.10		16.4		16.4		16.4
SECOND WHITE SPECKS B	113.0	0.10		11.3		11.3	0.7	10.6
LEO 036-17W4								
MANNVILLE A	442.0	0.03		13.3		13.3	3.5	9.8
UPPER MANNVILLE A	870.0	0.10		87.0		87.0	15.7	71.3
LOWER MANNVILLE B	172.0	0.05		8.6		8.6	2.5	6.1
LOWER MANNVILLE C	163.0	0.10		16.3		16.3	3.0	13.3
LOWER MANNVILLE D	481.0	0.03		14.4		14.4	1.6	12.8
LITTLE SMOKY 067-22W5								
D-3	397.0	0.50		199.0		199.0	173.9	25.1
LOCHEND 027-03W5								
CARDIUM A	11 300.0	0.08		904.0		904.0	344.0	560.0
CARDIUM C	1 000.0	0.01		10.0		10.0	1.	8.1
CARDIUM D	57.0	0.10		5.7		5.7		5.7
CARDIUM E	350.0	0.01		3.5		3.5	0.7	2.8
CARDIUM F	36.0	0.03		1.1		1.1	0.4	0.7
CARDIUM G	150.0	0.10		15.0		15.0	1.8	13.2
VIKING A	461.0	0.10		46.1		46.1	2.0	44.1
LOMOND 018-23W4								
GLAUCONITIC A	116.0	0.10		11.6		11.6	0.4	11.2
ELLERSLIE A	67.1	0.10		6.7		6.7	0.8	5.9
ELLERSLIE B	101.0	0.10		10.1		10.1	0.4	9.7
ELLERSLIE C	82.5	0.10		8.3		8.3	0.1	8.2
SAWTOOTH A	154.0	0.10		15.4		15.4	3.8	11.6
LONE PINE CREEK 030-28W4								
D-2 A	250.0	0.25		62.5		62.5	41.8	20.7
D-3 A	2 350.0	<0.02		29.0		29.0	29.0	
LONG COULEE 016-21W4								
MANNVILLE F	106.0	<0.02		1.1		1.1	1.1	
MANNVILLE L	265.0	0.02		5.3		5.3	1.3	4.0
MANNVILLE T	81.8	<0.01		0.3		0.3	0.3	
MANNVILLE X	161.0	<0.01		1.2		1.2	1.2	
MANNVILLE Z	126.0	0.10		12.6		12.6	9.0	3.6
MANNVILLE AA	97.7	0.10		9.8		9.8	0.8	9.0
MANNVILLE BB	301.0	0.10		30.1		30.1	1.2	28.9
MANNVILLE CC	279.0	0.10		27.9		27.9	7.6	20.3
GLAUCONITIC A	182.0	0.05		9.1		9.1	1.9	7.2
GLAUCONITIC B	236.0	0.02		4.7		4.7	1.9	2.8
GLAUCONITIC E	61.3	0.10		6.1		6.1	0.7	5.4
GLAUCONITIC F	111.0	0.10		11.1		11.1	5.5	5.6
GLAUCONITIC G	118.0	0.10		11.8		11.8	3.4	8.4
GLAUCONITIC H	807.0	0.10		80.7		80.7	20.8	59.9
LOON 085-09W5								
SLAVE POINT A TOTAL	5 820.0			175.0	131.0	306.0	145.8	160.2
PRIMARY AREA	2 530.0	0.03		75.9		75.9		
WATER FLOOD AREA	3 290.0	0.03	0.04	98.7	131.0	230.0		
SLAVE POINT C	455.0	0.20		91.0		91.0	9.1	81.9
SLAVE POINT D	78.8	0.05		3.9		3.9	1.1	2.8
SLAVE POINT E	508.0	0.10		50.8		50.8	2.0	48.8
SLAVE POINT G	5 930.0	0.15		890.0		890.0	38.6	851.4
GRANITE WASH A	630.0	0.25		158.0		158.0	135.7	22.3
GRANITE WASH B	800.0	0.20		160.0		160.0	46.6	113.4
GRANITE WASH C	107.0	0.20		21.4		21.4	5.1	16.3
GRANITE WASH D	194.0	0.20		38.8		38.8	3.8	35.0
GRANITE WASH E	236.0	0.30		70.8		70.8	7.7	63.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	1.83	0.190	0.25	0.89	30	876	43	6 900	1 070.5	1963	68 03 - ABAND 66 06
16	3.20	0.090	0.12	0.80	55	946	44	11 350	1 458.3	1984	85 02 - SUSP 85 01
64	3.00	0.100	0.23	0.69	150	822	71	19 500	2 209.2	1980	85 06
64	5.00	0.120	0.38	0.69	140	823	80	21 000	2 496.5	1980	85 02
64	3.00	0.120	0.29	0.69	140	823	80	21 000	2 432.0	1980	85 02
64	6.70	0.156	0.25	0.88	43	855	28	7 960	1 146.4	1974	79 12
742	4.80	0.210	0.38	0.90	37	855	39	8 203	1 152.9	1983	86 01
64	3.40	0.150	0.40	0.88	51	855	35	6 664	1 163.5	1975	79 09 - GPP
64	1.80	0.220	0.27	0.88	53	844	40	7 983	1 155.8	1977	83 12
64	7.92	0.154	0.30	0.88	45	865	40	7 164	1 141.7	1978	85 12 - GPP
97	12.44	0.068	0.18	0.59	205	825	90	27 790	2 660.9	1954	76 12 - GPP
9 984	1.65	0.100	0.10	0.76	109	825	54	25 326	2 244.7	1961	85 09
640	2.22	0.103	0.10	0.76	110	834	52	15 500	2 204.7	1983	85 09
64	2.00	0.100	0.45	0.81	119	834	68	25 100	2 103.8	1983	84 11
128	4.00	0.100	0.10	0.76	110	834	52	15 500	2 204.7	1983	85 09
64	1.32	0.062	0.10	0.76	110	834	52	20 287	2 204.7	1983	85 09
64	3.30	0.110	0.15	0.76	110	848	58	17 000	2 349.7	1981	82 03
64	12.00	0.110	0.22	0.70	140	831	70	16 500	2 517.1	1981	82 04
64	1.80	0.180	0.30	0.80	94	857	46	11 363	1 641.0	1985	86 07
64	1.80	0.130	0.44	0.80	95	874	44	13 554	1 599.3	1981	82 09
64	2.75	0.120	0.40	0.80	81	868	44	11 000	1 631.2	1985	85 12 - SUSP 86 10
64	2.20	0.120	0.39	0.80	81	868	44	11 000	1 696.3	1985	85 11
64	4.00	0.150	0.50	0.80	85	868	50	13 050	1 691.5	1984	85 03
275	2.69	0.070	0.22	0.62	155	825	71	22 370	2 373.5	1965	82 05 - GPP
1 616	3.96	0.080	0.15	0.54	237	806	82	22 820	2 441.8	1963	82 12 - GPP
64	2.44	0.150	0.50	0.90	39	829	38	13 410	1 412.4	1977	83 12 - SUSP 81 08
65	4.27	0.200	0.40	0.80	83	860	43	13 510	1 451.5	1974	82 12
65	2.44	0.160	0.60	0.81	84	876	48	13 950	1 548.0	1976	79 08 - SUSP 78 11
64	4.50	0.140	0.50	0.80	95	860	43	13 500	1 484.3	1982	82 07 - ABAND 84 07
64	2.00	0.170	0.30	0.83	80	848	43	13 568	1 505.7	1983	83 11
64	1.62	0.172	0.34	0.83	80	848	43	12 866	1 512.2	1983	84 09
64	7.00	0.200	0.60	0.84	68	844	38	8 500	1 517.1	1979	84 05 - SUSP 86 04
128	2.01	0.170	0.24	0.84	66	865	41	10 500	1 489.4	1980	86 05
64	3.00	0.180	0.38	0.85	60	900	39	12 647	1 415.2	1982	86 12
64	3.00	0.190	0.19	0.80	96	846	38	11 472	1 404.0	1982	86 12
64	1.10	0.160	0.32	0.80	94	834	46	10 554	1 504.4	1983	84 06
64	2.00	0.150	0.28	0.80	94	834	46	7 553	1 506.5	1984	84 10
64	2.30	0.150	0.33	0.80	94	854	46	10 332	1 470.2	1982	84 12
320	2.92	0.150	0.28	0.80	94	838	46	11 363	1 454.6	1985	86 04
1 920					24	820	48	15 130	1 415.2	1966	86 10
640	10.75	0.065	0.35	0.87							
1 280	7.96	0.053	0.30	0.87							- GPP
200	5.66	0.066	0.30	0.87	44	820	45	4 700	1 369.6	1984	86 10
64	4.50	0.050	0.37	0.87	45	820	44	13 883	1 372.7	1980	85 03
64	11.40	0.090	0.15	0.91	29	827	44	3 400	1 381.4	1983	86 02
1 579	8.82	0.073	0.33	0.87	44	830	44	14 602	1 332.9	1985	86 09
653	1.25	0.127	0.30	0.87	51	820	77	16 510	1 526.4	1965	84 12 - GPP
270	3.46	0.160	0.37	0.85	55	828	45	15 905	1 484.2	1982	85 10
64	2.40	0.120	0.32	0.85	51	845	49	10 473	1 571.9	1985	85 02
64	3.40	0.150	0.30	0.85	64	830	42	14 342	1 469.5	1982	83 04
64	5.20	0.140	0.41	0.86	48	835	45	5 600	1 413.8	1985	86 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LOUSANA 036-21W4								
D-2	413.0	0.33		137.0		137.0	114.8	22.2
LUBICON 087-10W5								
GRANITE WASH B	420.0	0.25		105.0		105.0	22.9	82.1
GRANITE WASH C	320.0	0.20		64.0		64.0	36.3	27.7
MAJORVILLE 018-19W4								
LOWER MANNVILLE A	160.0	<0.03		4.3		4.3	4.3	
MALMO 043-22W4								
BLAIRMORE A	1 270.0	0.15		191.0		191.0	183.0	8.0
D-2 A	2 570.0	0.45		1 160.0		1 160.0	1 122.1	37.9
D-3 A	1 600.0	0.50		800.0		800.0	747.8	52.2
D-3 C	70.7	<0.02		0.8		0.8	0.8	
D-3 D	480.0	<0.01		1.0		1.0	1.0	
MANITO 042-20W4								
GLAUCONITIC A	167.0	<0.01		1.5		1.5	1.5	
ELLERSLIE A,B,C&D	653.0	<0.01		0.4		0.4	0.4	
MANOLA 059-02W5								
LOWER MANNVILLE E	861.0	0.10		86.1		86.1	3.1	83.0
LOWER MANNVILLE F	410.0	0.10		41.0		41.0	7.2	33.8
MANYBERRIES 005-05W4								
SUNBURST A	500.0	0.18		90.0		90.0	73.4	16.6
SUNBURST B	1 320.0	0.15		198.0		198.0	154.7	43.3
SUNBURST C	685.0	0.25		171.0		171.0	122.4	48.6
SUNBURST J	281.0	0.10		28.1		28.1	16.3	11.8
SUNBURST L	147.0	<0.02		2.4		2.4	2.4	
SUNBURST O	2 400.0	0.12		288.0		288.0	112.2	175.8
SUNBURST Q	5 900.0	0.15		885.0		885.0	283.3	601.7
SUNBURST U	419.0	0.10		41.9		41.9	19.3	22.6
SUNBURST AA	288.0	0.10		28.8		28.8	3.0	25.8
SUNBURST CC	90.5	0.10		9.1		9.1	0.6	8.5
SUNBURST FF	522.0	0.10		52.2		52.2	0.3	51.9
SUNBURST HH	450.0	0.05		23.0		23.0	0.7	22.3
SUNBURST II	149.0	0.10		14.9		14.9	3.1	11.8
SUNBURST JJ	1 600.0	0.18		288.0		288.0	153.8	134.2
SUNBURST KK	1 500.0	0.12		180.0		180.0	87.9	92.1
SUNBURST LL	547.0	0.25		137.0		137.0	33.9	103.1
MARKERVILLE 036-02W5								
VIKING A	100.0	0.20		20.0		20.0	17.7	2.3
VIKING B	105.0	<0.01		0.3		0.3	0.3	
VIKING C	83.9	0.10		8.4		8.4		8.4
PEKISKO B	320.0	<0.01		0.4		0.4	0.4	
MARLBORO 055-19W5								
GETHING A	273.0	<0.01		1.2		1.2	1.2	
GETHING B	165.0	<0.01		0.3		0.3	0.3	
MATZIWIN 023-14W4								
GLAUCONITIC A	1 800.0	0.03		54.0		54.0	23.9	30.1
GLAUCONITIC B	187.0	0.10		18.7		18.7	1.6	17.1
LOWER MANNVILLE D	112.0	0.10		11.2		11.2	2.6	8.6
MCLEOD 054-15W5								
CARDIUM A	213.0	0.15		32.0		32.0	21.0	11.0
MEDICINE RIVER 039-03W5								
CARDIUM A	82.6	0.02		1.7		1.7	0.3	1.4
CARDIUM B	154.0	0.08		12.3		12.3	2.0	10.3
VIKING A	63.6	<0.06		3.5		3.5	3.5	
VIKING D TOTAL	3 400.0			680.0	204.8	884.9	315.8	569.1
PRIMARY AREA	2 034.0	0.20		406.8		406.8		
WATER FLOOD AREA	1 366.0	0.20	0.15	273.2	204.9	478.1		
VIKING L	133.0	0.15		20.0		20.0	6.8	13.2
VIKING M	334.0	0.15		50.1		50.1	22.8	27.3
VIKING N	62.7	0.10		6.3		6.3	1.6	4.7
VIKING O	74.8	0.15		11.2		11.2	6.1	5.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
203	4.08	0.069	0.14	0.84	55	839	70	14 580	1 787.7	1960	63 10 - GPP
73	4.22	0.220	0.27	0.85	60	834	44	15 890	1 451.0	1963	86 12
60	3.39	0.233	0.21	0.85	60	834	44	15 899	1 440.2	1963	86 12
64	3.66	0.160	0.50	0.85	66	876	40	12 810	1 344.5	1976	85 12 - ABAND 85 07
203	4.08	0.252	0.24	0.80	78	825	56	10 170	1 436.5	1952	81 12
573	15.30	0.047	0.20	0.78	95	834	57	11 510	1 544.1	1952	86 12 - GPP
220	15.54	0.070	0.12	0.76	111	834	58	14 860	1 609.6	1952	83 12 - GPP
65	2.44	0.067	0.12	0.76	111	829	56	14 860	1 630.4	1965	73 02 - SUSP 69 08
64	16.90	0.074	0.25	0.80	70	886	50	12 493	1 640.9	1979	84 12 - SUSP 84 07
64	2.80	0.160	0.30	0.83	70	850	41	9 039	1 265.6	1980	81 02 - SUSP 82 07
64	9.20	0.190	0.27	0.80	47	856	42	9 390	1 297.2	1980	83 07 - SUSP 83 12
320	3.19	0.170	0.43	0.87	55	891	37	8 274	1 077.4	1985	86 04
192	2.69	0.180	0.49	0.87	55	891	37	8 322	1 083.6	1985	85 12
192	1.93	0.210	0.30	0.92	66	834	36	9 000	1 122.4	1962	86 07
519	2.14	0.200	0.30	0.85	71	829	61	9 070	1 227.1	1955	84 11
420	1.19	0.250	0.37	0.87	66	839	34	8 990	1 119.2	1967	86 12 - GPP
183	1.12	0.230	0.30	0.85	51	883	37	8 960	1 158.2	1963	84 03
65	1.52	0.270	0.35	0.85	53	855	37	8 950	1 270.4	1972	75 12 - SUSP 75 10
324	6.55	0.200	0.35	0.87	71	839	35	8 960	1 080.5	1971	86 07
1 226	4.55	0.184	0.34	0.87	57	838	32	9 217	1 079.5	1977	86 07
64	4.00	0.250	0.23	0.85	66	830	36	9 017	1 027.0	1980	81 02
64	6.50	0.140	0.45	0.90	32	824	40	9 625	1 216.5	1984	84 11
32	2.10	0.220	0.28	0.85	32	824	33	8 729	1 145.0	1971	84 11
128	1.03	0.640	0.27	0.85	60	838	33	8 326	1 091.0	1984	85 09 - SUSP 85 11
128	3.62	0.180	0.38	0.87	50	837	34	9 046	1 076.0	1984	86 11
64	2.00	0.195	0.38	0.96	14	837	35	9 087	1 064.1	1984	85 11
306	4.51	0.200	0.37	0.92	28	834	40	4 771	1 127.0	1970	86 07
550	2.97	0.170	0.38	0.87	57	839	32	9 163	1 071.6	1970	86 07
257	1.32	0.260	0.32	0.91	66	839	34	9 090	1 119.2	1967	86 12
167	1.84	0.070	0.38	0.75	102	833	66	12 810	1 902.6	1977	85 04 - GPP
64	3.10	0.120	0.41	0.75	95	852	63	9 620	1 905.3	1977	83 12 - ABAND 82 10
64	2.00	0.120	0.35	0.84	51	840	71	10 142	1 920.3	1985	86 07
64	19.80	0.050	0.36	0.79	79	879	74	14 701	2 217.3	1980	81 08 - ABAND 83 04
65	7.32	0.120	0.20	0.60	239	825	97	35 120	2 802.0	1969	74 05 - ABAND 70 09
65	4.27	0.120	0.17	0.60	239	820	68	34 870	2 765.5	1970	73 02 - SUSP 71 06
445	4.55	0.190	0.45	0.85	68	883	32	9 727	998.1	1983	86 12 - GPP
64	4.30	0.160	0.50	0.85	64	880	32	9 500	1 004.5	1985	85 11
64	1.70	0.190	0.36	0.85	62	887	32	9 319	1 013.2	1983	84 02
72	5.02	0.100	0.30	0.84	62	834	53	9 060	1 497.2	1976	84 12 - GPP
64	1.52	0.124	0.10	0.75	106	898	49	19 240	1 658.4	1963	84 12
65	2.44	0.160	0.09	0.67	167	898	62	20 990	1 848.0	1965	85 07
130	1.07	0.100	0.32	0.67	160	844	91	20 000	1 931.8	1963	71 05 - SUSP 68 06
3 405					130	813	52	14 639	1 875.8	1981	86 08
2 040	1.57	0.116	0.27	0.75							
1 365	1.58	0.116	0.27	0.75							
124	1.20	0.170	0.25	0.70	140	786	62	14 907	1 897.7	1962	86 12
320	1.88	0.100	0.27	0.76	110	814	65	13 768	1 764.4	1984	86 09
64	2.00	0.100	0.30	0.70	130	813	52	14 857	1 888.3	1984	85 04 - SUSP 86 04
128	1.00	0.100	0.27	0.80	85	820	52	9 000	1 767.1	1985	86 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
MEDICINE RIVER 039-03W5 (CONTINUED)								
GLAUCONITIC A TOTAL	11 530.0			1 074.0	1 083.0	2 157.0	1 613.9	543.1
PRIMARY AREA	1 760.0	0.11		187.4		187.4		
WATER FLOOD AREA	9 770.0	<0.01	0.11	886.6	1 083.0	1 970.0		
GLAUCONITIC H	228.0	<0.01		0.5		0.5	0.5	
GLAUC D & OSTRACOD A TOTAL	1 990.0			308.0	213.0	521.0	321.2	199.8
PRIMARY AREA	878.0	0.15		132.0		132.0		
WATER FLOOD AREA	1 110.0	0.16	0.19	176.0	213.0	389.0		
OSTRACOD B	461.0	0.20		92.2		92.2	57.7	34.5
OSTRACOD C	583.0	<0.14		79.5		79.5	79.5	
OSTRACOD H	94.7	0.04		3.8		3.8	3.8	
OSTRACOD P	470.0	<0.01		0.5		0.5	0.5	
OSTRACOD R	63.6	<0.03		1.4		1.4	1.4	
OSTRACOD S	111.0	0.10		11.1		11.1	10.3	0.8
OSTRACOD W	364.0	0.20		72.8		72.8	47.5	25.3
OSTRACOD Y	53.7	0.10		5.4		5.4	0.6	4.8
BASAL QUARTZ B TOTAL	5 750.0			575.0	74.5	650.0	308.5	341.5
PRIMARY AREA	4 260.0	0.10		426.0		426.0		
WATER FLOOD AREA	1 490.0	0.10	0.05	149.0	74.5	224.0		
BASAL QUARTZ C	65.5	<0.01		0.5		0.5	0.5	
BASAL QUARTZ D	393.0	<0.05		18.7		18.7	18.7	
BASAL QUARTZ F	138.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ G WATER FLOOD	566.0	<0.04	0.04	21.6	22.6	44.2	44.	
BASAL QUARTZ H	159.0	0.10		15.9		15.9	13.2	2.7
BASAL QUARTZ I	262.0	0.13		34.0		34.0	29.4	4.6
BASAL QUARTZ J	556.0	0.05		27.8		27.8	22.6	5.2
BASAL QUARTZ K	132.0	0.15		19.8		19.8	17.4	2.4
BASAL QUARTZ Y	199.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ BB	134.0	0.10		13.4		13.4	7.9	5.5
JURASSIC A WATER FLOOD	5 150.0	0.16	0.19	823.0	979.0	1 800.0	1 659.1	140.9
JURASSIC B	1 160.0	0.15		177.0		177.0	155.7	21.3
JURASSIC C TOTAL	9 000.0			1 350.0	1 657.0	3 007.0	1 462.9	1 544.1
PRIMARY AREA	714.0	0.15		107.1		107.1		
WATER FLOOD AREA	8 286.0	0.15	0.20	1 243.0	1 657.0	2 900.0		
JURASSIC D TOTAL	8 627.0			1 453.0	1 700.0	3 153.0	1 646.5	1 506.5
PRIMARY AREA	487.0	0.15		73.0		73.0		
WATER FLOOD AREA	8 140.0	0.17	0.21	1 380.0	1 700.0	3 080.0		
JURASSIC E	281.0	0.15		42.2		42.2	35.0	7.2
JURASSIC K	721.0	0.12		86.5		86.5	65.4	21.1
JURASSIC L	128.0	0.03		3.8		3.8	2.5	1.3
JURASSIC N	62.1	<0.01		0.3		0.3	0.3	
ELKTON-SHUNDA A	318.0	<0.04		12.0		12.0	12.0	
ELKTON-SHUNDA C	520.0	0.10		52.0		52.0	38.2	13.8
ELKTON-SHUNDA D	165.0	0.10		16.5		16.5	0.3	16.2
SHUNDA A	221.0	<0.01		1.8		1.8	1.8	
PEKISKO B WATER FLOOD	869.0	0.15	0.05	130.0	43.5	174.0	123.7	50.3
PEKISKO C TOTAL	2 180.0			71.7	64.5	136.0	105.9	30.1
PRIMARY AREA	885.0	<0.01		7.2		7.2		
WATER FLOOD AREA	1 290.0	0.05	0.05	64.5	64.5	129.0		
PEKISKO D	91.2	0.10		9.1		9.1	6.4	2.7
PEKISKO E TOTAL	3 520.0			352.0	453.0	805.0	503.6	301.4
PRIMARY AREA	501.0	0.10		50.1		50.1		
WATER FLOOD AREA	3 020.0	0.10	0.15	302.0	453.0	755.0		
PEKISKO G	184.0	<0.01		0.2		0.2	0.2	
PEKISKO H	238.0	<0.02		2.7		2.7	2.7	
PEKISKO I	6 360.0	0.21		1 330.0		1 330.0	857.3	472.7
PEKISKO K	180.0	0.10		18.0		18.0	16.9	1.1
PEKISKO N	5 000.0	0.15		750.0		750.0	224.9	525.1
PEKISKO R	1 320.0	0.15		197.0		197.0	113.1	83.9
PEKISKO S	244.0	0.15		36.6		36.6	5.9	30.7
NISKU A	1 000.0	0.40		400.0		400.0	9.6	390.4
D-3 A	453.0	0.30		136.0		136.0	8.7	127.3
D-3 B	263.0	0.30		78.9		78.9	1.2	77.7
MEEKWAP 066-15W5								
D-2 A TOTAL	9 700.0			1 940.0	2 260.0	4 200.0	3 052.4	1 147.6
PRIMARY AREA	300.0	0.20		60.0		60.0		
WATER FLOOD AREA	9 400.0	0.20	0.24	1 880.0	2 260.0	4 140.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
4 276					244	839	64	26 270	2 268.9	1964	86 10
641	4.40	0.130	0.25	0.64							
3 635	4.18	0.130	0.25	0.66							
64	7.00	0.100	0.25	0.68	159	840	73	14 878	2 054.3	1979	86 12 - ABAND 84 06
1 277					101	887	67	26 200	2 080.8	1963	82 01
700	1.31	0.160	0.20	0.75							
577	2.29	0.140	0.20	0.75							
360	1.83	0.130	0.22	0.69	148	849	68	19 370	2 182.5	1963	85 04
117	5.30	0.171	0.20	0.69	153	839	72	20 170	2 298.2	1964	77 12 - SUSP 84 08
65	2.44	0.100	0.20	0.75	119	860	72	20 270	2 319.5	1965	73 12 - ABAND 73 08
65	10.97	0.120	0.20	0.69	155	855	59	16 150	2 206.1	1972	74 06 - ABAND 73 09
65	1.52	0.120	0.25	0.72	133	870	68	17 440	2 283.3	1974	76 12 - ABAND 75 06
98	1.83	0.110	0.25	0.75	110	849	57	19 410	2 166.8	1974	77 12
150	3.11	0.130	0.20	0.75	119	860	71	20 170	2 281.4	1965	85 12 - GPP
64	1.70	0.100	0.35	0.76	110	877	57	17 078	2 053.5	1983	84 05 - GPP
1 352					88	892	70	16 270	2 147.9	1959	82 12
998	5.15	0.138	0.24	0.79							
354	4.94	0.140	0.23	0.79							
32	2.44	0.140	0.24	0.78	74	892	66	15 690	2 130.2	1962	65 01 - ABAND 63 08
129	2.99	0.167	0.24	0.80	74	892	68	15 510	2 099.5	1963	83 12 - ABAND 83 12
64	1.83	0.200	0.25	0.78	76	898	68	16 480	2 158.9	1963	64 12 - ABAND 66 10
65	11.22	0.130	0.25	0.80	74	910	66	15 580	2 140.0	1963	83 12 - SUSP 82 03
32	6.40	0.130	0.25	0.79	76	898	66	16 270	2 178.4	1963	63 10 - GPP
64	5.22	0.140	0.30	0.80	78	898	66	16 550	2 225.0	1962	81 12 - GPP
64	10.47	0.140	0.25	0.79	89	898	65	17 000	2 217.7	1971	81 12 - GPP
121	1.52	0.130	0.30	0.79	76	892	68	18 400	2 172.6	1965	81 12 - GPP
65	5.18	0.096	0.22	0.79	87	898	66	16 130	2 239.4	1974	75 11 - SUSP 75 09
64	3.50	0.100	0.20	0.75	112	866	74	20 297	2 363.0	1980	80 05
1 289	4.69	0.142	0.25	0.80	90	887	63	16 000	2 153.1	1956	75 08
303	5.03	0.132	0.27	0.79	88	887	69	16 000	2 135.4	1961	86 12 - GPP
1 689					84	892	63	16 410	2 182.4	1961	86 08
270	3.73	0.132	0.32	0.79							
1 419	8.00	0.138	0.33	0.79							
721					83	887	68	16 200	2 141.2	1962	86 12
32	17.50	0.145	0.25	0.80							
689	14.11	0.145	0.25	0.77							- GPP
64	7.01	0.110	0.25	0.76	94	887	70	16 790	2 197.9	1962	83 12 - GPP
160	5.85	0.130	0.25	0.79	86	892	66	19 030	2 175.1	1974	85 12
64	3.00	0.110	0.17	0.73	130	803	99	15 472	2 148.8	1980	81 11 - GPP
64	2.40	0.070	0.25	0.77	105	888	69	12 397	2 146.7	1980	83 05 - ABAND 85 06
64	7.21	0.100	0.18	0.84	75	915	71	17 000	2 248.2	1962	83 12 - SUSP 77 08
65	12.50	0.098	0.20	0.82	77	876	49	18 330	2 328.4	1974	75 05
64	6.06	0.083	0.39	0.84	74	913	71	16 984	2 313.3	1985	86 07 - SUSP 86 02
65	5.18	0.110	0.20	0.75	121	910	77	18 640	2 290.0	1972	74 12 - SUSP 74 10
196	5.61	0.119	0.16	0.79	62	898	70	16 340	2 161.9	1959	84 12 - GPP
362					62	898	69	16 200	2 156.2	1961	83 12 - GPP
128	15.79	0.072	0.22	0.78							
234	12.55	0.072	0.22	0.78							
32	4.88	0.087	0.15	0.79	62	898	68	16 070	2 152.2	1961	82 12 - GPP
654					75	887	71	16 240	2 194.0	1963	86 05
64	11.40	0.110	0.22	0.80							
590	7.86	0.098	0.17	0.80							- GPP
64	7.62	0.060	0.29	0.88	44	972	70	14 580	2 155.5	1964	64 12 - ABAND 71 10
65	13.78	0.050	0.34	0.81	62	904	71	16 030	2 144.6	1964	68 03 - ABAND 70 09
928	10.45	0.100	0.18	0.80	88	898	71	16 890	2 207.7	1954	77 12 - GPP
65	7.89	0.053	0.18	0.81	62	898	71	16 240	2 188.5	1965	77 12 - GPP
1 002	8.00	0.100	0.22	0.80	74	844	82	16 320	2 139.3	1963	82 06
264	6.61	0.110	0.15	0.81	74	892	73	16 480	2 147.9	1973	78 06
32	7.00	0.160	0.16	0.81	76	896	69	16 236	2 197.9	1982	84 12
129	24.85	0.056	0.13	0.64	160	812	88	18 500	2 929.5	1985	86 11
64	13.13	0.077	0.09	0.77	128	817	88	17 977	3 112.6	1985	86 03
64	8.80	0.073	0.10	0.71	125	826	83	19 500	3 101.1	1985	86 07
2 210					120	844	80	20 770	2 347.0	1966	82 12
178	6.18	0.046	0.20	0.74							
2 032	8.65	0.085	0.15	0.74							

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MEEKWAP 066-15W5 (CONTINUED)								
D-2 B	175.0	0.30		52.5		52.5	26.2	26.3
D-2 C	96.3	<0.01		0.1		0.1	0.1	
D-2 D	334.0	0.10		33.4		33.4	23.6	9.8
D-2 E	178.0	0.10		17.8		17.8	1.9	15.9
D-2 F	432.0	0.07		30.2		30.2	14.3	15.9
MELLOWDALE 060-03W5								
LOWER MANNVILLE B	1 470.0	0.10		147.0		147.0	25.8	121.2
MICHICHI 031-17W4								
UPPER MANNVILLE A	126.0	0.03		3.8		3.8	0.6	3.2
LOWER MANNVILLE A	499.0	0.10		49.9		49.9	14.3	35.6
LOWER MANNVILLE B	270.0	0.02		5.4		5.4	2.1	3.3
LOWER MANNVILLE I	806.0	0.10		80.6		80.6	1.6	79.0
OSTRACOD B	220.0	0.10		22.0		22.0	0.2	21.8
BANFF A	860.0	0.05		43.0	ERSO	43.0	25.7	17.3
BANFF C	356.0	0.10		35.6		35.6	4.8	30.8
BANFF D	2 485.0	0.10		249.0		249.0	16.4	232.6
BANFF G	123.0	0.05		6.0		6.0	1.8	4.2
BANFF H	366.0			18.0		18.0	6.3	11.7
BANFF I	87.6	0.05		4.4		4.4	2.6	1.8
MIKWAN 037-23W4								
VIKING C	65.9	0.10		6.6		6.6	0.9	5.7
VIKING D	17.3	0.10		1.7		1.7	0.8	0.9
UPPER MANNVILLE F	1 340.0	0.01		13.4		13.4	4.8	8.6
UPPER MANNVILLE G	193.0	0.10		19.3		19.3	3.7	15.6
UPPER MANNVILLE H	341.0	0.10		34.1		34.1	11.5	22.6
LOWER MANNVILLE H	63.5	0.10		6.4		6.4	2.9	3.5
LOWER MANNVILLE J	698.0	0.10		69.8		69.8	10.6	59.2
D-2 A	544.0	0.20		109.0		109.0	74.3	34.7
D-2 B	553.0	0.20		111.0		111.0	52.2	58.8
D-2 C	290.0	0.10		29.0		29.0	11.2	17.8
D-2 D	262.0	0.20		52.4		52.4	11.4	41.0
D-2 E	155.0	0.20		31.0		31.0	1.8	29.2
D-2 F	86.4	0.20		17.3		17.3	4.7	12.6
D-2 G	30.1	0.20		6.0		6.0		6.0
D-3 A	339.0	0.04		13.6		13.6	9.0	4.6
D-3 B	645.0	0.20		129.0		129.0	41.8	87.2
D-3 C	166.0	0.05		8.3		8.3	0.4	7.9
MINEHEAD 048-18W5								
CARDIUM A	350.0	0.15		52.5		52.5	4.9	47.6
MINNEHIK-BUCK LAKE 045-05W5								
BELLY RIVER A	215.0	0.10		21.5		21.5	8.5	13.0
BELLY RIVER B	238.0	0.10		23.8		23.8	5.0	18.8
BELLY RIVER C	676.0	0.15		101.0		101.0	16.4	84.6
BELLY RIVER E	250.0	0.10		25.0		25.0	7.7	17.3
BELLY RIVER F	538.0	0.10		53.8		53.8	13.7	40.1
BELLY RIVER G	704.0	0.01		7.0		7.0	3.0	4.0
BELLY RIVER J	182.0	0.10		18.2		18.2	2.6	15.6
BELLY RIVER K	102.0	0.10		10.2		10.2		10.2
CARDIUM A	181.0	0.08		14.5		14.5	10.6	3.9
CARDIUM E	102.0	0.10		10.2		10.2	0.6	9.6
CARDIUM J	5 490.0	0.08		439.0		439.0	99.1	339.9
CARDIUM L	627.0	0.05		31.4		31.4	12.2	19.2
CARDIUM N	93.3	0.10		9.3		9.3	0.3	9.0
CARDIUM O	55.6	<0.01		0.1		0.1		0.1
VIKING A	265.0	<0.01		0.7		0.7	0.7	
VIKING C	148.0	0.10		14.8		14.8	7.0	7.8
VIKING D	124.0	0.10		12.4		12.4	0.6	11.8
VIKING E	42.2	0.10		4.2		4.2	2.1	2.1
VIKING F	21.4	0.15		3.2		3.2	2.0	1.2
VIKING H	57.0	0.20		11.4		11.4	6.3	5.1
OSTRACOD A	618.0	0.20		124.0		124.0	66.0	58.0
OSTRACOD B	66.7	0.15		10.0		10.0	5.1	4.9
OSTRACOD C	95.4	0.15		14.3		14.3	8.2	6.1
OSTRACOD G	89.0	0.15		13.4		13.4	10.9	2.5
OSTRACOD E & F	136.0	0.10		13.6		13.6	1.2	12.4

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	11.24	0.038	0.20	0.80				19 944	2 325.3	1971	75 12
64	4.30	0.054	0.20	0.81	66	857	83	14 519	2 310.7	1980	83 12 - SUSP 82 11
64	9.26	0.087	0.20	0.81	71	844	83	15 018	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81				21 423	2 333.6	1973	83 12
128	9.31	0.070	0.30	0.74	119	845	80	15 017	2 369.9	1982	86 12
461	3.06	0.200	0.40	0.87	45	892	35	8 252	1 112.6	1983	85 01
64	2.00	0.180	0.40	0.91	39	866	32	9 501	1 288.0	1981	83 12 - SUSP 85 05
128	3.21	0.240	0.39	0.83	66	859	42	9 502	1 354.4	1982	84 02
64	5.48	0.160	0.42	0.83	64	854	40	8 030	1 326.0	1982	86 09 - GPP
192	3.69	0.190	0.32	0.88	50	883	36	7 900	1 309.7	1985	86 11
64	3.00	0.230	0.40	0.83	64	832	44	7 500	1 344.0	1983	84 04 - SUSP 86 09
417	8.45	0.042	0.30	0.83	61	854	40	9 413	1 330.9	1985	86 12
128	15.18	0.030	0.29	0.86	55	880	45	8 300	1 359.6	1985	86 03
592	11.70	0.067	0.37	0.85	61	875	42	9 598	1 319.4	1985	86 11
64	8.91	0.040	0.35	0.83	70	870	45	9 600	1 337.8	1985	86 12 - GPP
64	19.69	0.050	0.30	0.83		854	45	9 600	1 341.7	1985	86 12
64	5.50	0.050	0.40	0.83		862	40	8 338	1 326.7	1984	86 12
64	2.00	0.090	0.35	0.88	44	839	53	6 683	1 380.0	1980	81 05 - GPP
64	0.92	0.070	0.50	0.84	69	839	42	8 140	1 448.3	1977	78 10 - SUSP 85 09
128	7.34	0.180	0.11	0.89	40	892	50	8 428	1 648.4	1979	82 04
64	2.30	0.220	0.30	0.85	59	819	46	9 304	1 488.3	1980	81 07
128	2.63	0.170	0.33	0.89	40	901	43	9 183	1 473.3	1980	83 04
64	1.00	0.170	0.27	0.80	110	797	44	8 856	1 539.0	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	6 484	1 534.0	1983	84 11 - GPP
255	5.29	0.080	0.31	0.73	124	844	64	15 390	1 824.7	1970	84 12
128	8.63	0.089	0.25	0.75	100	833	64	14 018	1 788.7	1979	82 05
128	6.01	0.067	0.25	0.75	110	830	62	13 612	1 756.3	1978	85 12
64	7.30	0.090	0.17	0.75	105	822	47	13 281	1 757.7	1983	84 12
64	6.40	0.080	0.37	0.75	100	838	57	11 500	1 815.0	1985	85 10
64	4.20	0.049	0.20	0.82	70	860	54	10 000	1 811.3	1985	85 10
64	1.20	0.060	0.13	0.75	80	901	74	15 609	1 995.2	1984	86 03
224	2.99	0.090	0.25	0.75	106	865	63	15 600	1 848.0	1971	84 12 - GPP
64	13.00	0.120	0.15	0.76	100	852	76	13 824	1 819.5	1979	80 01
64	3.60	0.120	0.25	0.80	100	877	61	13 302	1 894.5	1985	86 03 - SUSP 86 06
64	6.70	0.160	0.15	0.60	210	816	74	24 951	2 562.8	1968	85 06
65	3.66	0.160	0.32	0.83	74	825	46	9 560	1 191.8	1973	78 10
64	5.60	0.150	0.48	0.85	67	845	46	8 941	1 205.7	1980	81 07
129	6.44	0.140	0.30	0.83	74	845	46	8 717	1 255.6	1981	85 07
64	5.00	0.157	0.40	0.83	74	844	50	7 377	1 176.0	1981	82 08
64	9.00	0.150	0.25	0.83	65	848	52	9 208	1 233.8	1982	83 05
64	13.00	0.150	0.32	0.83	65	848	52	9 315	1 178.2	1983	86 12
64	4.00	0.130	0.34	0.83	65	848	52	10 200	1 212.8	1982	84 01 - GPP
64	3.93	0.140	0.65	0.83	65	848	52	10 842	1 289.9	1984	85 10
130	2.13	0.110	0.15	0.70	96	815	49	12 070	1 718.0	1960	78 11 - GPP
64	2.13	0.120	0.20	0.78	96	830	49	12 013	1 711.0	1978	81 01
3 250	2.13	0.115	0.15	0.81	125	830	56	16 595	1 559.5	1979	84 12
506	1.30	0.140	0.18	0.83	65	805	58	14 911	1 673.3	1980	86 12 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 631	1 626.9	1982	82 11 - SUSP 85 07
64	1.50	0.130	0.45	0.81	125	830	56	10 783	1 617.8	1984	85 10 - ABAND 85 11
65	4.88	0.160	0.30	0.75	105		88	14 690	1 805.3	1961	66 11 - SUSP 66 11
128	2.46	0.080	0.30	0.84	156	827	72	18 955	1 857.9	1982	84 03
64	4.00	0.090	0.36	0.84	54	827	72	6 956	1 771.3	1982	83 06
64	1.10	0.100	0.25	0.80	149	678	82	16 677	1 843.9	1983	84 05
128	0.88	0.040	0.30	0.68	149	821	83	16 791	1 882.7	1984	86 01
128	1.26	0.060	0.30	0.84	56	827	72	14 564	1 889.0	1984	86 05
512	1.52	0.140	0.19	0.70	160	827	60	18 395	2 042.3	1980	85 12
121	1.50	0.070	0.25	0.70	132	817	72	18 296	2 058.6	1981	83 12
132	1.87	0.080	0.31	0.70	150	822	68	16 500	2 074.5	1981	86 05
128	1.04	0.130	0.21	0.65	174	812	80	18 168	2 119.9	1985	86 06
64	3.58	0.116	0.27	0.70	174	812	80	18 705	2 139.9	1984	85 11

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MINNEHIK-BUCK LAKE 045-05W5 (CONTINUED)								
JURASSIC B	82.8	0.05		4.1		4.1	0.4	3.7
D-2 A	277.0	<0.01		1.1		1.1	1.1	
MITSUE 071-04W5								
GILWOOD A TOTAL	121 700.0			30 080.0	30 600.0	60 680.0	41 633.2	19 046.8
PRIMARY AREA	5 779.0	<0.20		1 075.0		1 075.0		
SOLVENT FLOOD AREA	52 000.0	0.25	0.38	13 000.0	19 760.0	32 760.0		
WATER FLOOD AREA	63 900.0	0.25	0.17	16 000.0	10 840.0	26 840.0		
MORINVILLE 055-25W4								
LOWER MANNVILLE A	199.0	0.12		23.8		23.8	20.1	3.7
LOWER MANNVILLE F	120.0	0.10		12.0		12.0	3.9	8.1
LOWER MANNVILLE L	226.0	<0.03		6.7		6.7	6.7	
LOWER MANNVILLE D	49.0	<0.01		0.1		0.1	0.1	
D-1 A	55.9	<0.13		7.2		7.2	7.2	
D-3 A	90.6	<0.32		28.6		28.6	28.6	
D-3 B	3 150.0	0.59		1 860.0		1 860.0	1 555.0	305.0
D-3 C	615.0	0.13		80.0		80.0	60.9	19.1
D-3 D	57.1	0.30		17.1		17.1	4.6	12.5
D-3 E	980.0	0.35		343.0		343.0	52.7	290.3
D-3 F	212.0	<0.01		0.2		0.2		0.2
D-3 G	253.0	0.05		12.7		12.7	1.0	11.7
NELSON 043-26W4								
VIKING A	806.0	0.10		80.6		80.6	15.3	65.3
NEVIS 039-22W4								
BLAIRMORE B	305.0	<0.01		0.3		0.3	0.3	
BLAIRMORE C	1 450.0	0.10		145.0		145.0	122.0	23.0
BLAIRMORE D	126.0	0.03		3.8		3.8	2.4	1.4
BLAIRMORE F	215.0	0.10		21.5		21.5	6.7	14.8
BLAIRMORE H	144.0	0.05		7.2		7.2	0.1	7.1
UPPER MANNVILLE A	2 030.0	0.08		162.0		162.0	77.7	84.3
UPPER MANNVILLE D	392.0	0.10		39.2		39.2	6.8	32.4
LOWER MANNVILLE A	62.7	<0.01		0.5		0.5	0.5	
DEVONIAN	429.0	<0.04		14.2		14.2	14.2	
D-3 B	238.0	0.15		35.8		35.8	35.4	0.4
D-3 C	222.0	0.22		48.9		48.9	47.4	1.5
D-3 D	191.0	0.20		38.2		38.2	22.3	15.9
D-3 E	1 270.0	0.15		191.0		191.0	125.1	65.9
D-3 F	400.0	0.03		12.0		12.0	11.1	0.9
D-3 G	2 430.0	0.25		608.0		608.0	42.6	565.4
NEW NORWAY 044-22W4								
BLAIRMORE	69.1	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	163.0	<0.01		0.8		0.8	0.8	
D-2	2 150.0	0.65		1 400.0		1 400.0	1 235.3	164.7
D-3	318.0	0.60		191.0		191.0	178.6	12.4
NIPISI 079-08W5								
SLAVE POINT A	353.0	0.10		35.3		35.3	6.2	29.1
GILWOOD A TOTAL	115 000.0			29 500.0	27 500.0	57 000.0	38 658.9	18 341.1
PRIMARY AREA	2 400.0	<0.17		400.0		400.0		
SOLVENT FLOOD AREA	51 600.0	0.26	0.35	13 400.0	17 900.0	31 300.0		
WATER FLOOD AREA	60 500.0	0.26	0.16	15 700.0	9 600.0	25 300.0		
GILWOOD C TOTAL	4 190.0			629.0	380.0	1 010.0	523.2	486.8
PRIMARY AREA	393.0	0.15		59.0		59.0		
WATER FLOOD AREA	3 800.0	0.15	0.10	570.0	380.0	950.0		
GILWOOD E	135.0	0.15		20.3		20.3	15.1	5.2
GILWOOD F	100.0	0.20		20.0		20.0	4.5	15.5
GILWOOD G	150.0	0.15		22.5		22.5	9.8	12.7
GILWOOD H	150.0	0.15		22.5		22.5	3.2	19.3
KEG RIVER SANDSTONE A	2 350.0	0.25		588.0		588.0	442.9	145.1
KEG RIVER SANDSTONE E	2 050.0	0.35		718.0		718.0	313.0	405.0
KEG RIVER SANDSTONE F	323.0	<0.02		5.5		5.5	5.5	
KEG RIVER SANDSTONE G	355.0	0.03		10.7		10.7	8.6	2.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.00	0.120	0.23	0.70	145	856	70	20 050	2 170.2	1985	85 09
64	24.99	0.043	0.35	0.61	195	801	78	19 840	2 528.3	1975	81 12 - SUSP 81 02
47 396					103	811	60	18 240	1 722.4	1964	86 11
2 022	5.20	0.120	0.36	0.78							
13 259	5.45	0.144	0.36	0.78							
32 113	3.21	0.124	0.36	0.78							
100	1.52	0.220	0.30	0.85	41	876	46	7 860	1 092.4	1965	75 06 - SUSP 81 01
57	1.83	0.170	0.25	0.90	62	876	47	8 960	1 148.8	1963	82 12 - SUSP 86 05
93	2.59	0.220	0.52	0.89	50	887	44	9 760	1 244.2	1965	84 12 - SUSP 80 07
64	1.00	0.170	0.50	0.90	33	871	43	6 692	1 155.0	1983	84 01 - ABAND 84 09
130	2.74	0.030	0.30	0.75	53	839	48	8 720	1 161.6	1953	64 12 - ABAND 60 10
16	10.97	0.080	0.15	0.75	62	849	56	10 760	1 397.2	1955	76 12 - SUSP 83 03
345	14.50	0.085	0.12	0.84	60	844	60	13 100	1 608.1	1960	86 06
211	3.51	0.110	0.10	0.84	62	849	52	10 790	1 379.8	1963	85 12 - GPP
16	6.00	0.100	0.15	0.70	135	844	42	10 645	1 411.3	1982	83 02
128	9.99	0.120	0.24	0.84	59	890	61	10 412	1 370.6	1982	84 01
64	8.30	0.060	0.21	0.84	59	842	61	16 051	1 642.7	1983	84 03 - ABAND 84 01
64	5.10	0.100	0.14	0.90	45	949	51	9 986	1 332.7	1985	85 12
512	2.56	0.120	0.42	0.85	54	841	59	7 880	1 414.4	1985	86 12
65	3.35	0.220	0.20	0.80	89	881	49	9 340	1 404.5	1967	74 04 - ABAND 74 03
640	2.32	0.190	0.43	0.90	53	893	57	10 060	1 391.0	1959	85 12 - GPP
64	2.44	0.130	0.30	0.88	51	870	38	9 450	1 478.0	1977	82 12
128	2.40	0.140	0.35	0.80	70	886	57	11 118	1 418.7	1982	84 06
64	3.00	0.170	0.45	0.80	66	878	54	10 157	1 405.8	1985	85 11
576	3.68	0.170	0.36	0.88	48	915	62	9 977	1 424.9	1977	86 06
128	2.34	0.190	0.20	0.86	48	882	62	9 977	1 405.7	1984	85 07 - GPP
64	1.20	0.170	0.40	0.80	64	893	54	11 003	1 404.6	1981	84 06 - ABAND 85 10
199	4.82	0.080	0.20	0.70			58	16 060	1 722.4	1952	52 09 - SUSP 62 05
7	53.95	0.087	0.20	0.87	53	870	43	16 810	1 856.5	1968	85 07 - GPP
6	65.87	0.080	0.20	0.87	40	870	64	16 820	1 788.3	1967	83 08 - GPP
14	31.80	0.065	0.20	0.83	64	876	64	15 730	1 821.5	1969	79 03 - GPP
34	45.81	0.120	0.17	0.82	79	887	38	16 130	1 832.5	1970	84 12 - GPP
64	11.80	0.076	0.15	0.82	74	887	38	14 710	1 755.6	1970	79 12 - GPP
64	70.10	0.087	0.24	0.82	79	887	62	14 212	1 892.0	1984	85 06
16	4.88	0.175	0.35	0.77	80	825	56	10 140	1 393.9	1953	58 05 - ABAND 56 06
64	2.50	0.220	0.40	0.77	71	837	44	9 410	1 336.8	1980	84 12 - ABAND 83 02
197	18.70	0.085	0.14	0.80	82	825	54	10 620	1 425.2	1951	81 12
77	15.03	0.044	0.20	0.78	84	839	58	14 070	1 495.7	1951	73 02 - GPP
128	6.30	0.085	0.44	0.92	16	830	54	17 149	1 680.9	1982	85 04
31 104					65	820	49	18 130	1 708.7	1965	86 06
1 856	2.28	0.104	0.34	0.83							
8 512	7.20	0.156	0.35	0.83							
20 736	3.83	0.137	0.33	0.83							
1 831					56	820	62	18 090	1 790.4	1969	82 12 - GPP
192	3.16	0.120	0.17	0.83							
1 639	3.58	0.120	0.35	0.83							
64	3.28	0.126	0.38	0.82	65	821	56	9 628	1 675.8	1979	85 06
64	2.30	0.130	0.37	0.83	61	821	47	7 741	1 678.2	1980	82 08 - SUSP 86 04
128	1.80	0.115	0.32	0.82	65	821	56	10 586	1 680.2	1979	85 06
128	1.86	0.117	0.35	0.83	63	820	62	17 560	1 841.0	1979	86 11
1 814	1.46	0.143	0.27	0.85	65	820	56	18 000	1 747.1	1966	86 12 - GPP
493	4.06	0.180	0.33	0.85	55	820	50	15 027	1 733.2	1979	85 06
64	5.00	0.180	0.34	0.85	53	810	54	13 800	1 768.5	1980	86 12 - SUSP 84 06
64	6.40	0.170	0.40	0.85	53	849	52	15 068	1 738.1	1972	84 12

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
NIPISI 079-08W5 (CONTINUED)								
KEG RIVER SANDSTONE H	192.0	0.25		48.0		48.0	15.6	32.4
KEG RIVER SANDSTONE I	130.0	0.25		32.5		32.5	9.7	22.8
KEG RIVER SANDSTONE J	223.0	0.25		55.8		55.8	4.8	51.0
KEG RIVER SANDSTONE K	29.4	<0.02		0.5		0.5	0.5	
KEG RIVER SANDSTONE L	384.0	0.04		15.4		15.4	6.8	8.6
KEG RIVER SANDSTONE M	350.0	0.25		87.5		87.5	6.4	81.1
KEG RIVER SANDSTONE N	22.4	0.20		4.5		4.5	0.1	4.4
NITON 055-12W5								
CARDIUM A	397.0	<0.03		10.1		10.1	10.1	
CARDIUM B	137.0	0.10		13.7		13.7	6.0	7.7
CARDIUM C	230.0	0.10		23.0		23.0	13.6	9.4
CARDIUM D	176.0	0.10		17.6		17.6	0.8	16.8
CARDIUM F	119.0	0.15		17.9		17.9	4.0	13.9
BASAL QUARTZ A	260.0	0.03		7.8		7.8		7.8
BASAL QUARTZ C	168.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ G	177.0	0.10		17.7		17.7	0.1	17.6
BASAL QUARTZ K	116.0	0.10		11.6		11.6	2.3	9.3
BASAL QUARTZ L	221.0	0.15		33.2		33.2	19.7	13.5
ROCK CREEK B	49.0	0.10		4.9		4.9		4.9
ROCK CREEK C	139.3	0.05		7.0		7.0	4.5	2.5
ROCK CREEK D	63.4	0.15		9.5		9.5	7.8	1.7
ROCK CREEK F TOTAL	6 600.0			1 510.0	1 110.0	2 620.0	1 001.4	1 618.6
PRIMARY AREA	62.3	0.23		14.3		14.3		
WATER FLOOD AREA	6 540.0	0.23	0.17	1 500.0	1 110.0	2 610.0		
NORMANDVILLE 079-22W5								
JURASSIC A	120.0	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.4	0.04		0.9		0.9	0.9	
D-1 A	531.0	0.35		186.0		186.0	166.6	19.4
D-1 B	805.0	0.10		80.5		80.5	0.4	80.1
D-3 A	412.0	0.46		190.0		190.0	169.4	20.6
D-3 B	563.0	0.31		175.0		175.0	172.2	2.8
NORTHVILLE 052-10W5								
ROCK CREEK A	75.3	<0.01		0.6		0.6	0.6	
JURASSIC A	231.0	0.10		23.1		23.1	2.2	20.9
OBERLIN 038-21W4								
MANNVILLE C	197.0	0.04		7.9		7.9	4.4	3.5
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 410.0	0.05		70.5		70.5	35.3	35.2
KEG RIVER SANDSTONE B	513.0	<0.01		1.6		1.6	1.6	
OKOTOKS 021-28W4								
WABAMUN A	167.0	<0.01		1.5		1.5	1.5	
OPEN CREEK 042-05W5								
BELLY RIVER A	291.0	0.10		29.1		29.1	15.9	13.2
BELLY RIVER B	333.0	0.15		50.0		50.0	40.9	9.1
VIKING A	13.5	<0.22		2.9		2.9	2.9	
BANFF A	224.0	<0.02		4.3		4.3	4.3	
OTTER 088-12W5								
SLAVE POINT A	3 000.0	0.20		600.0		600.0	69.4	530.6
GRANITE WASH A	3 286.0	0.20		657.0		657.0	145.3	511.7
GRANITE WASH D	49.7	0.15		7.5		7.5	2.6	4.9
GRANITE WASH F	968.0	0.30		290.0		290.0	26.7	263.3
GRANITE WASH I	1 038.0	0.30		311.0		311.0	41.3	269.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.40	0.160	0.35	0.85	55	824	43	13 060	1 749.4	1982	83 04
64	1.90	0.180	0.30	0.85	50	830	57	12 622	1 751.0	1982	83 05
64	3.50	0.180	0.35	0.85	53	820	52	12 299	1 740.5	1984	84 08
64	1.50	0.080	0.55	0.85	55	824	44	12 390	1 748.3	1984	84 08 - ABAND 84 11
64	6.10	0.170	0.32	0.85	55	825	47	12 005	1 745.7	1984	86 12
64	4.60	0.200	0.30	0.85	65	825	49	11 584	1 745.8	1985	85 08
64	0.60	0.137	0.50	0.85	52	825	54	5 900	1 743.2	1985	85 10
65	7.92	0.100	0.11	0.87	48	834	57	9 400	1 428.0	1970	74 12 - SUSP 74 07
64	6.00	0.056	0.25	0.85	64	865	42	9 402	1 402.9	1984	85 03
128	2.84	0.100	0.28	0.88	44	856	52	8 894	1 384.4	1984	86 04
64	4.00	0.110	0.29	0.88	44	856	52	8 894	1 381.9	1984	86 04 - SUSP 86 07
64	4.20	0.073	0.31	0.88	44	856	52	8 894	1 420.2	1985	86 08
241	1.54	0.160	0.40	0.73	114	839	80	16 440	1 962.0	1968	86 05 - SUSP 86 09
64	3.66	0.150	0.35	0.73	114	839	80	16 440	1 962.0	1968	76 08 - SUSP 70 03
64	4.63	0.130	0.27	0.73	56	900	80	15 940	1 948.6	1979	79 12
64	3.00	0.120	0.30	0.72	120	892	65	20 150	1 908.9	1981	82 04 - SUSP 86 09
64	4.92	0.170	0.45	0.75					1 888.0	1974	75 12
64	1.50	0.110	0.42	0.80	135	883	62	20 050	1 903.8	1985	86 04 - SUSP 86 09
64	4.06	0.113	0.35	0.73	114	864	76	16 170	1 846.7	1981	82 07
64	1.08	0.161	0.22	0.73	114	864	76	16 170	1 861.0	1981	82 07
2 564					114	839	76	16 270	1 973.0	1965	80 06 - GPP
54	1.96	0.152	0.47	0.73							
2 510	4.43	0.152	0.47	0.73							
32	3.66	0.150	0.25	0.90	35	921	33	7 270	821.7	1957	61 02 - ABAND 61 11
16	1.52	0.150	0.25	0.84	62	839	37	10 930	1 066.2	1957	61 02 - ABAND 61 11
365	7.04	0.035	0.28	0.82	68	834	53	18 100	1 766.9	1957	85 12 - GPP
64	77.50	0.030	0.34	0.82	66	855	57	13 647	1 755.9	1984	85 04 - SUSP 85 10
65	21.34	0.046	0.19	0.80	77	825	66	21 820	2 049.8	1949	86 12 - GPP
213	14.57	0.031	0.27	0.80	77	825	66	21 750	2 048.0	1958	82 12 - GPP
64	2.80	0.100	0.40	0.70	150	813	62	17 000	1 982.9	1984	85 07 - SUSP 85 06
64	8.00	0.095	0.35	0.73	120	885	77	16 002	2 032.7	1981	82 03
64	2.77	0.160	0.20	0.87	51	870	47	9 970	1 322.2	1974	80 12 - SUSP 83 04
320	4.80	0.150	0.29	0.86	62	829	49	16 410	1 506.6	1975	79 12 - GPP
65	7.32	0.220	0.42	0.85	50	829	43	16 040	1 491.1	1976	78 11 - ABAND 82 02
64	6.10	0.100	0.25	0.57	235	811	77	26 200	2 595.9	1978	84 07 - ABAND 83 07
64	7.39	0.150	0.50	0.82	82	811	42	8 430	1 316.4	1966	85 07
92	4.90	0.150	0.40	0.82	82	815	42	7 620	1 317.3	1967	83 12
64	0.43	0.085	0.25	0.77	178	817	86	19 819	2 000.0	1984	85 10 - SUSP 86 08
64	4.57	0.111	0.20	0.86	53	876	66	19 370	2 254.0	1974	83 12 - SUSP 80 12
768	9.57	0.065	0.31	0.91	34	833	54	15 837	1 552.7	1981	83 06
975	3.04	0.200	0.37	0.88	37	832	43	5 811	1 593.8	1983	86 10
64	0.76	0.191	0.37	0.85	55	840	44	14 756	1 609.0	1983	84 11
256	3.46	0.178	0.31	0.89	36	830	40	5 000	1 585.7	1984	86 09
192	4.25	0.220	0.35	0.89	35	835	44	4 300	1 571.1	1984	86 09

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PADDLE RIVER 057-08W5								
D-2 A	181.0	<0.13		22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	<0.01		0.4		0.4	0.4	
PANNY 096-06W5								
KEG RIVER A	484.0	0.25		121.0		121.0	27.0	94.0
KEG RIVER B	244.0	0.25		61.0		61.0	10.1	50.9
KEG RIVER C	1 220.0	0.30		366.0		366.0	80.1	285.9
KEG RIVER D	2 600.0	0.40		1 040.0		1 040.0	137.7	902.3
KEG RIVER E	78.0	0.30		23.4		23.4	6.5	16.9
KEG RIVER F	300.0	0.25		75.0		75.0	6.2	68.8
KEG RIVER G	350.0	0.35		122.0		122.0	23.4	98.6
PARFLESH 025-22W4								
UPPER MANNVILLE C	101.0	0.10		10.1		10.1	0.3	9.8
UPPER MANNVILLE D	328.0	0.10		32.8		32.8	5.0	27.8
UPPER MANNVILLE G	103.0	0.10		10.3		10.3	3.1	7.2
LOWER MANNVILLE B	383.0	<0.02		4.3		4.3	4.3	
LOWER MANNVILLE C TOTAL	1 610.0			351.0	289.0	640.0	417.1	222.9
PRIMARY AREA	106.0	0.22		23.3		23.3		
WATER FLOOD AREA	1 500.0	0.22	0.19	328.0	289.0	617.0		
PEARCE 009-24W4								
D-2 A	108.0	0.10		10.8		10.8	7.8	3.0
PEARL 030-16W4								
BANFF A	50.4	0.13		6.5		6.5	4.6	1.9
PEAVEY 056-24W4								
MIDDLE VIKING A	529.0	0.20		106.0		106.0	80.9	25.1
BLAIRMORE TOTAL	1 896.0			379.0	63.6	443.0	195.3	247.7
PRIMARY AREA	1 260.0	0.20		252.0		252.0		
WATER FLOOD AREA	636.0	0.20	0.10	127.0	63.6	191.0		
BLAIRMORE B	225.0	0.10		22.5		22.5	0.9	21.6
BLAIRMORE C	79.3	0.10		7.9		7.9	3.4	4.5
BLAIRMORE D	43.0	0.10		4.3		4.3	0.6	3.7
PECO 047-15W5								
BELLY RIVER A	2 750.0	0.10		275.0		275.0	190.1	84.9
BELLY RIVER B	113.0	0.12		13.6		13.6	12.1	1.5
BELLY RIVER C	2 640.0	0.10		264.0		264.0	49.2	214.8
BELLY RIVER D	202.0	0.10		20.2		20.2	1.4	18.8
BELLY RIVER E	402.0	0.10		40.2		40.2	4.9	35.3
BELLY RIVER F	269.0	<0.01		0.3		0.3	0.3	
BELLY RIVER G	52.6	0.10		5.3		5.3	5.2	0.1
BELLY RIVER H	341.0	0.10		34.1		34.1	5.2	28.9
BELLY RIVER I	157.0	0.10		15.7		15.7		15.7
BELLY RIVER J	200.0	0.10		20.0		20.0		20.0
BELLY RIVER K	393.0	0.15		59.0		59.0	1.5	57.5
BELLY RIVER L	154.0	0.10		15.4		15.4	0.1	15.3
BELLY RIVER M	225.0	0.10		22.5		22.5	1.1	21.4
BELLY RIVER N	207.0	0.10		20.7		20.7	1.4	19.3
CARDIUM A	331.0	0.08		26.5		26.5	25.0	1.5
CARDIUM C	228.0	0.10		22.8		22.8	13.4	9.4
CARDIUM D	47.3	0.10		4.7		4.7	0.8	3.9
CARDIUM E	10.8	0.25		2.7		2.7	2.1	0.6
CARDIUM F	38.0	0.05		1.9		1.9	0.1	1.8
CARDIUM G	199.0	0.10		19.9		19.9	7.0	12.9
GETHING B	185.0	0.10		18.5		18.5	3.4	15.1
CADOMIN A	39.7	0.10		4.0		4.0	1.3	2.7
CADOMIN B	108.0	0.05		4.4		4.4	4.4	
PEMBINA 048-07W5								
KEYSTONE BELLY RIVER B TOTAL	29 300.0			3 740.0	5 940.0	9 680.0	6 049.1	3 630.9
PRIMARY AREA	2 050.0	0.10		205.0		205.0		
WATER FLOOD AREA	27 200.0	0.13	0.22	3 530.0	5 940.0	9 470.0		
KEYSTONE BELLY RIVER C TOTAL	10 300.0			1 340.0	1 740.0	3 080.0	2 082.3	997.7
PRIMARY AREA	2 370.0	0.13		308.0		308.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.84	0.053	0.25	0.80	117	876	70	14 130	1 835.2	1954	71 11 - ABAND 78 10
32	1.80	0.190	0.39	0.93	30	923	33	8 731	889.9	1976	83 05 - SUSP 84 05
192	4.64	0.080	0.22	0.87	51	829	38	12 172	1 169.1	1984	85 08
64	5.90	0.080	0.07	0.87	63	831	38	11 527	1 124.3	1984	85 04 - SUSP 86 08
128	14.62	0.090	0.17	0.87	51	829	38	13 029	1 239.7	1984	85 04
421	11.38	0.080	0.22	0.87	51	837	38	12 622	1 232.2	1983	85 04
64	3.45	0.059	0.32	0.88	51	829	38	12 209	1 175.3	1984	85 02
64	8.67	0.084	0.26	0.87	52	840	38	9 577	1 178.9	1985	86 07
64	11.99	0.069	0.24	0.87	51	829	38	9 515	1 194.0	1985	86 07
64	2.00	0.160	0.40	0.82	70	847	49	10 293	1 493.3	1981	83 04 - SUSP 83 04
64	9.50	0.130	0.50	0.83	66	860	37	8 765	1 442.0	1981	83 09
16	4.30	0.230	0.21	0.82	56	858	45	7 970	1 449.3	1985	86 10
65	5.49	0.180	0.25	0.80	71	849	46	10 540	1 491.7	1969	83 12 - SUSP 76 11
272					66	855	43	10 500	1 464.3	1985	85 09
16	4.50	0.230	0.24	0.84							
256	5.97	0.180	0.30	0.84							
64	4.64	0.070	0.20	0.65	186	829	51	20 130	2 397.0	1977	78 08
64	2.13	0.050	0.16	0.88	51	894	38	9 184	1 288.9	1976	86 12 - GPP
146	2.59	0.203	0.25	0.92	37	876	38	6 070	848.0	1953	86 12 - GPP
400					35	876	43	8 270	1 067.1	1952	86 08
272	3.25	0.206	0.23	0.90							
128	3.48	0.206	0.23	0.90							
32	5.00	0.240	0.35	0.90	42	912	33	7 151	1 074.2	1976	84 03 - SUSP 85 11
16	3.90	0.220	0.32	0.85	32	916	35	6 028	1 071.8	1983	84 03
16	3.20	0.160	0.43	0.92	25	898	43	4 750	1 062.9	1985	86 08
1 104	5.91	0.108	0.50	0.78	106	815	52	12 154	2 117.2	1964	86 10 - GPP
65	3.05	0.140	0.47	0.77	106	876	54	10 830	2 057.1	1965	83 12 - GPP
768	6.78	0.100	0.35	0.78	80	806	52	12 921	2 166.2	1983	85 10
64	5.20	0.120	0.35	0.78	90	799	50	9 900	2 000.2	1984	85 03
128	6.19	0.100	0.35	0.78	52	824	52	13 361	2 205.6	1983	85 03 - SUSP 86 09
64	7.00	0.130	0.45	0.84	56	810	61	7 674	1 893.1	1985	85 07 - ABAND 85 07
64	1.80	0.090	0.35	0.78	80	806	52	12 300	2 223.4	1984	85 07
64	9.55	0.110	0.35	0.78	80	806	52	12 300	2 172.3	1984	85 07
64	5.80	0.120	0.56	0.80	56	810	61	12 103	1 986.1	1985	85 10
64	5.00	0.120	0.35	0.80	56	810	61	12 375	2 092.0	1984	85 10
64	11.00	0.110	0.35	0.78	85	806	50	12 648	2 066.6	1985	85 10
64	4.00	0.140	0.45	0.78	88	830	62	10 258	1 997.8	1985	85 12
64	6.00	0.127	0.45	0.84	56	810	61	7 674	1 761.9	1985	86 01
64	5.50	0.140	0.50	0.84	56	810	61	7 674	2 024.7	1984	86 04
256	1.85	0.120	0.13	0.67	217	806	76	22 710	2 475.3	1956	85 12 - GPP
156	2.60	0.110	0.15	0.60	204	792	92	25 020	2 464.5	1985	85 12
64	1.40	0.110	0.20	0.60	200	791	74	19 300	2 473.2	1981	82 07
64	0.50	0.070	0.20	0.60	200	786	77	27 183	2 481.9	1982	86 12
64	1.20	0.130	0.40	0.63	175	770	62	26 120	2 427.7	1976	80 01 - SUSP 76 08
192	2.21	0.100	0.22	0.60	210	792	77	31 300	2 486.5	1983	85 03 - GPP
64	4.00	0.110	0.18	0.80	350	783	100	26 620	3 048.8	1984	84 12
65	0.91	0.120	0.30	0.80	66	788	96	29 650	3 098.9	1972	78 05 - SUSP 84 03
64	5.00	0.085	0.25	0.53	352	779	124	32 251	3 119.5	1978	78 05 - ABAND 85 10
5 920					42	839	39	6 650	978.1	1958	86 06
672	4.36	0.150	0.47	0.88							
5 248	6.00	0.194	0.50	0.88							
1 986					41	839	39	6 550	979.3	1959	82 12
512	4.97	0.190	0.45	0.89							

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
WATER FLOOD AREA	7 900.0	0.13	0.22	1 030.0	1 740.0	2 770.0		
BELLY RIVER G	215.0	0.15		32.3		32.3	29.9	2.4
BELLY RIVER H	923.0	0.06		55.4		55.4	45.9	9.5
BELLY RIVER I TOTAL	9 540.0			1 310.0	975.0	2 290.0	986.3	1 303.7
PRIMARY AREA	4 440.0	0.13		565.0		565.0		
WATER FLOOD AREA	5 100.0	<0.15	0.20	746.0	975.0	1 720.0		
BELLY RIVER J WATER FLOOD	1 420.0	0.10	0.25	142.0	356.0	498.0	162.6	335.4
KEYSTONE BELLY RIVER K	183.0	0.15		27.5		27.5	24.4	3.1
KEYSTONE BELLY RIVER L TOTAL	4 090.0			447.0	710.0	1 160.0	499.0	661.0
PRIMARY AREA	1 130.0	0.05		56.5		56.5		
WATER FLOOD AREA	2 960.0	<0.14	0.24	390.0	710.0	1 100.0		
KEYSTONE BELLY RIVER M TOTAL	7 517.0			902.2	1 044.0	1 946.0	1 053.8	892.2
PRIMARY AREA	82.0	0.12		9.8		9.8		
WATER FLOOD AREA	7 435.0	0.12	0.14	892.0	1 044.0	1 936.0		
KEYSTONE BELLY RIVER O	340.0	0.10		34.0		34.0	26.4	7.6
KEYSTONE BELLY RIVER U TOTAL	8 800.0			1 120.0	1 010.0	2 130.0	1 090.1	1 039.9
PRIMARY AREA	2 780.0	0.13		362.0		362.0		
WATER FLOOD AREA	6 020.0	<0.13	0.17	760.0	1 010.0	1 770.0		
KEYSTONE BELLY RIVER X TOTAL	8 050.0			644.0	1 320.0	1 970.0	464.7	1 505.3
PRIMARY AREA	1 090.0	0.08		87.2		87.2		
WATER FLOOD AREA	6 960.0	0.08	0.19	557.0	1 320.0	1 880.0		
BELLY RIVER AA	2 110.0	0.06		127.0		127.0	98.9	28.1
KEYSTONE BELLY RIVER CC	1 230.0	0.15		185.0		185.0	132.5	52.5
BELLY RIVER DD	491.0	0.05		24.6		24.6	2.9	21.7
BELLY RIVER EE	408.0	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 400.0	0.05		70.0		70.0	54.6	15.4
BELLY RIVER JJ	254.0	<0.03		6.5		6.5	6.0	0.5
BELLY RIVER KK	1 300.0	0.08		104.0	ERSD	104.0	58.4	45.6
KEYSTONE BELLY RIVER LL	79.6	0.10		8.0		8.0	2.5	5.5
BELLY RIVER MM	715.0	0.05		35.8		35.8	25.0	10.8
KEYSTONE BELLY RIVER OO	315.0	<0.01		0.4		0.4	0.4	
BELLY RIVER RR	435.0	0.02		8.7		8.7	4.0	4.7
KEYSTONE BELLY RIVER TT	289.0	0.01		2.9		2.9	1.3	1.6
BELLY RIVER XX	224.0	0.02		4.5		4.5	2.4	2.1
BELLY RIVER YY	406.0	0.10		40.6		40.6	7.2	33.4
BELLY RIVER FFF&GGG TOTAL	6 690.0			456.6	138.0	594.6	185.3	409.3
PRIMARY AREA	5 310.0	0.06		318.6		318.6		
WATER FLOOD AREA	1 380.0	0.10	0.10	138.0	138.0	276.0		
BELLY RIVER B2B&C2C	575.0	0.10		57.5		57.5	1.0	56.5
BELLY RIVER BBB	126.0	0.10		12.6		12.6	3.6	9.0
BELLY RIVER DDD	4 000.0	0.10		400.0		400.0	130.1	269.9
BELLY RIVER JJJ	292.0	0.03		8.8		8.8	2.9	5.9
BELLY RIVER LLL	545.0	0.05		27.3		27.3	13.3	14.0
BELLY RIVER MMM	350.0	0.10		35.0		35.0	0.3	34.7
BELLY RIVER NNN	217.0	0.05		10.4		10.4	1.8	8.6
BELLY RIVER PPP	393.0	0.05		19.7		19.7	3.3	16.4
BELLY RIVER RRR	315.0	0.02		6.3		6.3	2.3	4.0
BELLY RIVER TTT	1 670.0	0.10		167.0		167.0	17.6	149.4
BELLY RIVER UUU	793.0	0.01		7.9		7.9	1.9	6.0
BELLY RIVER VVV	239.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WWW	125.0	0.10		12.5		12.5		12.5
BELLY RIVER XXX	191.0	<0.01		0.1		0.1		0.1
BELLY RIVER ZZZ	519.0	0.10		51.9		51.9	5.2	46.7
BELLY RIVER A2A	332.0	0.10		33.2		33.2	17.0	16.2
BELLY RIVER D2D	385.0	0.05		19.3		19.3		19.3
BELLY RIVER E2E	144.0	0.10		14.4		14.4	1.7	12.7
BELLY RIVER F2F	96.6	0.10		9.7		9.7	0.8	8.9
BELLY RIVER G2G	130.0	0.10		13.0		13.0	1.9	11.1
BELLY RIVER H2H	34.3	0.05		1.7		1.7	1.1	0.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
1 474	5.73	0.191	0.45	0.89							
75	3.05	0.150	0.30	0.89	35	834	42	6 900	1 121.7	1956	76 12 - SUSP 83 03
97	8.63	0.200	0.38	0.89	39	820	43	9 170	1 285.0	1956	86 12 - GPP
4 791					65	834	37	8 070	1 083.9	1954	78 04 - GPP
2 464	3.30	0.186	0.67	0.89							
2 327	4.01	0.186	0.67	0.89							
129	9.60	0.200	0.35	0.88	39	820	42	8 270	1 245.7	1958	78 09 - GPP
43	4.27	0.220	0.48	0.87	43	839	38	6 860	937.3	1961	81 12 - GPP
1 024					42	839	37	6 690	926.6	1962	79 12
192	5.92	0.196	0.43	0.89							
832	3.58	0.196	0.43	0.89							
2 337					42	839	38	6 720	956.3	1962	86 12
96	0.99	0.180	0.45	0.87							
2 241	3.70	0.198	0.48	0.87							
128	2.99	0.200	0.49	0.87	46	839	36	7 450	921.7	1963	86 06 - GPP
2 270					43	844	41	6 860	1 029.3	1964	85 11
702	4.68	0.183	0.48	0.89							
1 568	4.53	0.183	0.48	0.89							
1 856					40	844	42	7 856	1 040.9	1965	86 06
224	5.15	0.180	0.41	0.89							
1 632	5.10	0.179	0.48	0.89							
384	5.34	0.205	0.43	0.88	40	844	41	7 380	972.0	1965	84 12 - GPP
586	2.69	0.175	0.50	0.89	40	844	42	7 790	1 058.0	1965	86 12 - GPP
64	8.50	0.180	0.43	0.88	40	844	43	7 240	992.1	1967	85 12 - GPP
65	7.13	0.188	0.46	0.87	43	849	42	6 580	1 047.3	1967	76 12 - ABAND 76 09
605	3.15	0.207	0.60	0.89	65	834	44	7 480	1 035.7	1957	84 12 - GPP
64	4.32	0.190	0.45	0.88	40	844	36	6 450	942.7	1967	81 12 - GPP
192	7.17	0.181	0.40	0.87	41	820	49	8 340	1 312.2	1968	85 09 - GPP
65	1.68	0.165	0.50	0.89	40	839	49	7 760	1 061.3	1968	73 02 - SUSP 82 11
154	6.10	0.140	0.39	0.89	40	829	42	12 820	1 260.3	1969	77 12 - GPP
65	5.76	0.190	0.50	0.89	44	904	38	6 650	973.5	1974	83 12 - SUSP 78 01
65	6.10	0.200	0.38	0.89	43	829	43	10 290	1 296.9	1975	85 12 - GPP
64	4.61	0.200	0.45	0.89	41	844	41	6 070	931.5	1958	81 12 - GPP
64	4.92	0.200	0.60	0.89	62	839	31	6 780	969.6	1978	82 12 - SUSP 85 08
192	2.87	0.180	0.54	0.89	62	815	35	7 686	1 061.8	1978	85 11
2 755					45	841	32	6 825	990.9	1978	86 07
2 310	2.66	0.180	0.46	0.89							
445	3.80	0.180	0.49	0.89							
128	5.60	0.160	0.43	0.88	40	840	50	6 500	1 179.1	1985	86 09
64	2.00	0.190	0.42	0.89	46	846	22	7 200	940.2	1978	79 05
1 088	4.32	0.140	0.31	0.88	65	817	49	10 716	1 471.1	1978	85 11
64	4.70	0.170	0.35	0.88	50	854	41	7 750	1 153.1	1979	83 12 - GPP
160	3.20	0.190	0.37	0.89	42	847	45	6 536	908.0	1981	86 12
64	6.30	0.150	0.35	0.89	48	840	36	5 829	865.7	1981	82 05 - SUSP 84 02
64	2.70	0.220	0.36	0.89	55	846	40	6 612	995.7	1981	83 12 - GPP
64	7.79	0.161	0.45	0.89	45	844	38	6 200	999.4	1981	86 07
32	8.30	0.212	0.35	0.86	52	862	41	5 757	856.5	1982	86 12
256	7.27	0.210	0.52	0.89	66	853	37	7 645	1 042.9	1981	85 11
128	5.46	0.210	0.40	0.90	65	901	41	6 160	904.0	1983	86 12 - GPP
64	4.60	0.140	0.30	0.83	65	845	52	7 625	1 137.9	1983	86 12 - SUSP 84 06
32	4.40	0.180	0.45	0.90	52	857	41	6 612	901.5	1983	84 03 - SUSP 84 07
64	3.00	0.150	0.20	0.83	65	848	52	7 423	1 161.5	1983	86 12 - SUSP 84 05
64	9.10	0.180	0.45	0.90	65	837	41	6 679	983.0	1958	84 09
194	2.51	0.140	0.36	0.76	65	849	52	9 697	1 346.2	1982	86 07
64	6.90	0.178	0.45	0.89	45	841	32	6 142	976.6	1985	86 07
64	3.20	0.135	0.40	0.87	52	817	49	7 000	1 277.9	1980	86 03
64	2.20	0.145	0.45	0.86	52	857	41	6 477	1 024.9	1985	86 04
32	4.40	0.180	0.40	0.85	67	839	36	8 100	910.5	1984	86 07 - GPP
64	0.54	0.190	0.45	0.95	18	850	32	3 000	978.3	1983	84 05

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
BELLY RIVER J2J	366.0	0.05		18.3		18.3		18.3
BELLY RIVER K2K	189.0	0.10		18.9		18.9		18.9
BELLY RIVER L2L	251.0	0.10		25.1		25.1	0.9	24.2
BELLY RIVER M2M	458.0	0.05		22.9		22.9	0.6	22.3
BELLY RIVER N2N	121.0	0.10		12.1		12.1	0.5	11.6
BELLY RIVER O2O	482.0	0.05		24.1		24.1		24.1
BELLY RIVER P2P	308.0	0.10		30.8		30.8		30.8
BELLY RIVER R2R	133.0	0.10		13.3		13.3		13.3
BELLY RIVER S2S	329.0	0.05		16.5		16.5		16.5
BELLY RIVER V2V	186.0	0.10		18.6		18.6		18.6
LEA PARK A	188.0	0.15		28.2		28.2	9.3	18.9
CARDIUM TOTAL	1 180 000.0			131 000.0	108 000.0	239 000.0	162 602.3	76 397.7
PRIMARY AREA	278 000.0	<0.09		23 800.0		23 800.0		
SOLVENT FLOOD AREA (LOBSTICK UNIT)	11 000.0	0.14	0.15	1 530.0	1 650.0	3 180.0		
WATER FLOOD AREA	830 000.0	<0.12	0.11	96 100.0	97 200.0	194 000.0		
GAS FLOOD AREA	6 830.0	<0.10	0.04	680.0	273.0	953.0		
WATER & SOLVENT FLOOD AREA (NPCU)	56 700.0	0.15	0.16	8 570.0	9 070.0	17 600.0		
CARDIUM B	636.0	0.04		25.4		25.4	18.6	6.8
CARDIUM C	407.0	0.01		4.1		4.1	1.8	2.3
CARDIUM D	211.0	0.05		10.6		10.6	7.1	3.5
CARDIUM E	187.0	0.05		9.4		9.4	4.4	5.0
CARDIUM F	169.0	0.05		8.5		8.5	0.3	8.2
CARDIUM G	125.0	0.03		3.8		3.8	0.2	3.6
CARDIUM H	96.9	0.15		14.5		14.5	9.8	4.7
CARDIUM I	320.0	0.10		32.0		32.0	3.2	28.8
CARDIUM J	165.0	0.10		16.5		16.5	1.4	15.1
CARDIUM K	247.0	0.10		24.7		24.7	1.9	22.8
CARDIUM L	1 080.0	0.10		108.0		108.0	13.2	94.8
CARDIUM M	311.0	0.10		31.1		31.1	2.5	28.6
CARDIUM N	240.0	0.10		24.0		24.0	2.3	21.7
CARDIUM O	24.7	0.10		2.5		2.5	0.1	2.4
SECOND WHITE SPECKS A	100.0	0.10		10.0		10.0	2.4	7.6
SECOND WHITE SPECKS B	257.0	0.10		25.7		25.7	2.3	23.4
VIKING B	800.0	0.15		120.0		120.0	90.0	30.0
VIKING D	213.0	0.10		21.3		21.3		21.3
VIKING E	5.6	0.05		0.3		0.3	0.3	
VIKING F	52.2	0.10		5.2		5.2	3.6	1.6
LOBSTICK GLAUCONITIC J	42.4	0.10		4.2		4.2	0.9	3.3
GLAUCONITIC K	318.0	0.10		31.8		31.8		31.8
LOBSTICK GLAUCONITIC N	256.0	<0.01		0.1		0.1	0.1	
LOBSTICK GLAUCONITIC P	1 320.0	0.05		66.0		66.0	22.8	43.2
LOBSTICK GLAUCONITIC Q	164.0	0.10		16.4		16.4	0.1	16.3
LOBSTICK GLAUCONITIC R	1 940.0	0.10		194.0		194.0	26.7	167.3
GLAUCONITIC T	395.0	0.10		39.5		39.5	0.7	38.8
LOBSTICK GLAUCONITIC FL&M	353.0	0.10		35.3		35.3	2.1	33.2
OSTRACOD D	239.0	0.06		14.3		14.3	8.4	5.9
OSTRACOD E TOTAL	3 500.0			420.0	754.0	1 180.0	294.6	885.4
PRIMARY AREA	216.0	0.12		26.0		26.0		
WATER FLOOD AREA	3 280.0	0.12	0.23	394.0	754.0	1 150.0		
OSTRACOD F	185.0	0.05		9.3		9.3	3.7	5.6
OSTRACOD G	400.0	0.21		84.0	ERSO	84.0	62.9	21.1
OSTRACOD H	23.4	0.10		2.3		2.3	0.2	2.1
OSTRACOD K	351.0	0.10		35.1		35.1	8.1	27.0
OSTRACOD M	103.0	0.10		10.3		10.3	0.8	9.5
OSTRACOD N	37.1	0.10		3.7		3.7	0.1	3.6
OSTRACOD O	46.0	0.10		4.6		4.6	0.3	4.3
OSTRACOD P	190.0	0.10		19.0		19.0	1.7	17.3
KEYSTONE ELLERSLIE A	800.0	0.20		160.0	ERSO	160.0	132.3	27.7
ELLERSLIE D	155.0	0.10		15.5		15.5	1.7	13.8
ELLERSLIE E	423.0	0.03		12.7		12.7	4.9	7.8
ELLERSLIE G	2 180.0	0.10		218.0		218.0	31.1	186.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.92	0.180	0.60	0.89	18	850	32	3 000	963.0	1983	86 07
64	4.20	0.180	0.54	0.85	70	840	32	7 800	927.5	1983	85 06
64	4.90	0.180	0.50	0.89	46	849	36	8 915	1 025.0	1984	85 07
64	6.57	0.175	0.30	0.89	66	822	37	6 869	1 096.8	1985	86 06
64	1.99	0.178	0.40	0.89	90	885	44	15 050	1 250.6	1985	86 06
128	4.45	0.183	0.48	0.89	45	849	36	8 915	1 005.3	1979	86 07
64	6.00	0.180	0.50	0.89	46	849	36	8 915	965.8	1979	86 07
64	2.94	0.131	0.35	0.83	72	829	55	10 050	1 441.3	1985	86 07
64	5.33	0.197	0.45	0.89		850	39	6 520	995.0	1984	86 07
64	4.50	0.150	0.50	0.86	45	795	41	6 481	964.6	1979	86 09
64	4.20	0.125	0.30	0.80	166	798	52	14 431	1 447.4	1985	86 04
191 669					96	834	46	18 890		1953	78 04 - GPP
49 291	6.77	0.121	0.15	0.81							
908	12.98	0.128	0.10	0.81							
133 375	5.97	0.143	0.10	0.81							
2 981	2.62	0.127	0.15	0.81							
5 114	9.75	0.156	0.10	0.81							
194	4.05	0.116	0.15	0.82	96	834	60	12 410	1 213.7	1963	83 12 - GPP
65	7.01	0.130	0.15	0.81	82	834	44	10 280	1 339.0	1974	78 12 - GPP
64	4.36	0.109	0.15	0.81	80	834	46	18 620	1 806.2	1976	82 12 - GPP
64	2.70	0.150	0.11	0.81	83	834	53	17 540	1 840.1	1978	85 12 - GPP
64	3.49	0.110	0.15	0.81	80	834	50	17 733	1 760.6	1981	83 12 - SUSP 83 09
64	2.81	0.101	0.15	0.81	80	834	56	16 588	1 620.8	1981	82 11 - SUSP 84 01
64	2.00	0.110	0.15	0.81	80	840	40	15 689	1 226.4	1982	86 12
64	5.60	0.120	0.20	0.93	28	873	38	14 445	1 132.2	1983	84 04
64	3.40	0.110	0.15	0.81	80	834	50	15 100	1 844.0	1983	84 04
64	4.88	0.115	0.15	0.81	80	834	50	11 100	1 763.3	1984	85 03
128	8.24	0.140	0.15	0.86	55	835	44	16 245	1 463.9	1984	86 07
64	5.70	0.110	0.10	0.86	53	845	58	10 234	1 744.5	1983	83 09
64	4.20	0.125	0.15	0.84	61	856	56	12 495	1 761.0	1984	84 01
64	0.40	0.140	0.15	0.81	125	830	56	16 595	1 671.8	1984	84 08
64	2.00	0.140	0.30	0.80	85	870	60	19 461	1 799.0	1984	84 09
64	4.30	0.180	0.27	0.71	135	838	53	15 000	1 716.7	1985	86 03
2 010	1.42	0.056	0.26	0.68	156	810	65	18 894	1 931.4	1982	85 08
64	5.20	0.160	0.55	0.89	40	830	40	10 760	1 583.0	1983	83 12
64	0.23	0.074	0.26	0.69	136	810	74	17 410	1 984.8	1984	86 08 - ABAND 86 02
64	1.35	0.120	0.26	0.71	150	810	74	18 775	1 989.9	1983	86 07 - SUSP 86 05
64	1.50	0.120	0.54	0.80	90	876	48	14 047	1 630.3	1981	82 05 - GPP
64	9.40	0.110	0.40	0.80	88	829	64	13 040	1 890.8	1981	82 08
64	8.00	0.120	0.48	0.80	85	889	68	12 905	1 602.5	1980	84 12 - SUSP 82 08
320	8.49	0.116	0.41	0.71	110	871	66	12 039	1 560.0	1982	86 12 - GPP
64	4.10	0.130	0.40	0.80	85	860	56	12 814	1 870.9	1984	85 01
448	6.18	0.120	0.27	0.80	92	850	52	13 064	1 601.6	1984	86 06
64	12.85	0.120	0.50	0.80	85	877	65	12 000	1 787.4	1985	86 01 - SUSP 86 08
64	11.30	0.090	0.32	0.80	75	876	60	12 362	1 616.1	1980	85 06
336	1.83	0.090	0.40	0.72	160	839	49	19 170	1 757.8	1975	82 12
3 185					123	840	57	15 866	1 618.2	1979	86 06
320	0.75	0.160	0.25	0.75							
2 865	1.27	0.160	0.25	0.75							
64	3.98	0.120	0.16	0.72	140	840	64	15 637	1 579.7	1980	84 12
965	0.83	0.100	0.30	0.71	105	810	57	14 953	1 729.7	1979	85 01
64	0.70	0.110	0.34	0.72	140	840	48	13 988	1 626.2	1981	82 08 - SUSP 85 07
64	5.80	0.150	0.16	0.75	109	888	64	15 851	1 591.0	1982	83 05
64	2.80	0.150	0.50	0.77	99	910	60	16 772	1 665.8	1984	85 05 - SUSP 86 01
64	1.10	0.120	0.43	0.77	99	879	60	14 127	1 636.8	1984	85 06
64	1.60	0.110	0.44	0.73	120	793	58	13 980	1 620.8	1980	85 08
64	3.50	0.125	0.15	0.80	109	888	64	15 851	1 595.3	1985	86 04
333	2.90	0.140	0.20	0.74	115	865	69	15 550	1 769.5	1957	85 04
64	4.80	0.090	0.30	0.80	99	832	46	17 794	2 323.3	1978	81 12
64	14.00	0.090	0.30	0.75	99	832	46	17 961	2 319.5	1980	84 12
957	3.33	0.136	0.32	0.74	99	870	50	15 659	1 695.7	1982	85 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
		PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3		
PEMBINA 048-07W5 (CONTINUED)								
ELLERSLIE I	129.0	0.10		12.9		12.9	3.1	9.8
ELLERSLIE K	67.5	0.10		6.8		6.8	0.7	6.1
ELLERSLIE L	266.0	<0.01		0.2		0.2	0.2	
ELLERSLIE M	106.0	0.10		10.6		10.6	0.1	10.5
ELLERSLIE N	28.2	0.10		2.8		2.8	0.2	2.6
ELLERSLIE F JURASSIC C&D	227.0	0.03		6.8		6.8	0.2	6.6
JURASSIC A	690.0	0.10		6.9		6.9	3.9	3.0
JURASSIC B	242.0	0.10		24.2		24.2	6.2	18.0
JURASSIC E	763.0	0.10		76.3		76.3	9.0	67.3
JURASSIC F	438.0	0.02		8.8		8.8	2.3	6.5
JURASSIC G	95.7	0.10		9.6		9.6	0.9	8.7
JURASSIC J	131.0	0.10		13.1		13.1	2.0	11.1
JURASSIC K	300.0	0.10		30.0		30.0	6.3	23.7
JURASSIC L	76.8	0.10		7.7		7.7	0.1	7.6
JURASSIC P	271.0	0.10		27.1		27.1		27.1
PEKISKO A	118.0	<0.12		13.8		13.8	13.8	
BANFF A	705.0	<0.01		0.4		0.4	0.4	
BANFF B	525.0	<0.01		0.1		0.1	0.1	
BANFF C	104.0	<0.01		0.1		0.1	0.1	
BLUERIDGE A	650.0	0.15		97.5		97.5	44.8	52.7
BLUERIDGE B	364.0	<0.01		1.3		1.3	1.3	
BLUERIDGE C	199.0	<0.02		2.8		2.8	2.8	
BLUERIDGE D	410.0	0.15		61.5		61.5	13.6	47.9
NISKU A SOLVENT FLOOD	2 800.0	0.40	0.30	1 120.0	840.0	1 960.0	840.7	1 119.3
NISKU B WATER FLOOD	80.0	0.20	0.15	16.0	12.0	28.0	8.7	19.3
NISKU C WATER FLOOD	1 430.0	0.30	0.20	429.0	286.0	715.0	461.8	253.2
NISKU D SOLVENT FLOOD	4 800.0	0.32	0.21	1 920.0	1 540.0	3 460.0	1 519.4	1 940.6
NISKU E WATER FLOOD	700.0	0.20	0.13	140.0	90.0	230.0	115.7	114.3
NISKU F	2 100.0	0.35		735.0		735.0	78.1	656.9
NISKU G SOLVENT FLOOD	3 000.0	0.40	0.30	1 200.0	900.0	2 100.0	959.0	1 141.0
NISKU H WATER FLOOD	450.0	0.30	0.22	135.0	99.0	234.0	85.0	149.0
NISKU I WATER FLOOD	750.0	0.20	0.20	150.0	150.0	300.0	49.2	250.8
NISKU J WATER FLOOD	1 200.0	0.35	0.12	420.0	144.0	564.0	242.7	321.3
NISKU K SOLVENT FLOOD	2 430.0	0.40	0.30	972.0	728.0	1 700.0	766.4	933.6
NISKU L SOLVENT FLOOD	5 000.0	0.25	0.57	1 250.0	2 850.0	4 100.0	1 265.2	2 834.8
NISKU M SOLVENT FLOOD	2 850.0	0.40	0.35	1 140.0	998.0	2 140.0	766.3	1 373.7
NISKU N WATER FLOOD	1 600.0	0.35	0.10	560.0	160.0	720.0	104.2	615.8
NISKU O SOLVENT FLOOD	1 700.0	0.40	0.30	680.0	510.0	1 190.0	350.5	839.5
NISKU P SOLVENT FLOOD	4 250.0	0.40	0.35	1 700.0	1 490.0	3 190.0	954.2	2 235.8
NISKU Q SOLVENT FLOOD	2 800.0	0.40	0.44	1 120.0	1 230.0	2 350.0	350.6	1 999.4
NISKU R WATER FLOOD	400.0	0.30	0.18	120.0	72.0	192.0	71.8	120.2
NISKU S WATER FLOOD	700.0	0.40	0.10	280.0	70.0	350.0	137.0	213.0
PENDANT D'OREILLE 003-08W4								
MANNVILLE F	170.0	<0.01		0.2		0.2	0.2	
PENHOLD 036-27W4								
VIKING A	125.0	<0.03		3.7		3.7	3.7	
VIKING B	610.0	0.15		91.5		91.5	49.0	42.5
VIKING C	40.4	<0.01		0.1		0.1		0.1
VIKING D	83.9	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE A	1 490.0	0.06		89.4		89.4	51.2	38.2
D-2 A	408.0	<0.03		10.1		10.1	10.1	
D-3 A	183.0	<0.02		3.4		3.4	3.4	
PINE CREEK 057-19W5								
BELLY RIVER A	87.0	0.10		8.7		8.7	0.6	8.1
CARDIUM L	64.6	0.10		6.5		6.5	3.8	2.7
CARDIUM M	143.0	0.12		17.2		17.2	8.2	9.0
CARDIUM N	151.0	0.10		15.1		15.1	3.4	11.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.80	0.130	0.25	0.74	116	863	67	14 728	1 561.1	1983	83 07
64	1.70	0.150	0.47	0.78	83	860	62	17 200	1 681.4	1982	83 03
64	6.90	0.134	0.40	0.75	110	860	60	16 835	2 075.5	1984	85 01 - SUSP 85 03
64	2.69	0.137	0.39	0.74	99	870	50	15 659	1 673.4	1984	85 07
64	1.20	0.070	0.30	0.75	115	855	60	15 500	2 243.3	1985	86 03
64	6.13	0.120	0.30	0.69	155	850	50	14 760	2 110.0	1981	83 03 - SUSP 82 08
64	17.50	0.110	0.30	0.80	91	870	37	12 993	2 298.8	1979	83 12 - GPP
64	5.20	0.130	0.30	0.80	80	848	78	19 557	2 277.1	1980	82 11
256	4.59	0.140	0.42	0.80	92	880	52	15 050	1 718.4	1982	86 12
128	6.09	0.090	0.22	0.80	176	830	79	18 950	2 383.6	1982	86 12
64	4.00	0.085	0.45	0.80	83	896	70	13 237	2 082.0	1982	83 11
64	3.10	0.120	0.31	0.80	92	865	50	15 579	1 732.2	1983	84 04
64	5.25	0.162	0.31	0.80	176	826	79	19 999	2 263.3	1985	85 11
64	2.00	0.150	0.50	0.80	80	860	60	16 565	1 958.5	1984	85 01 - SUSP 85 06
64	8.72	0.098	0.25	0.66	176	828	79	18 950	2 294.5	1985	86 11
65	1.83	0.150	0.20	0.83	53	910	88	19 620	1 858.4	1960	64 04 - SUSP 69 11
64	10.00	0.200	0.32	0.81	75	880	60	17 285	1 641.0	1981	82 04 - ABAND 83 01
64	9.00	0.150	0.25	0.81	88	866	32	18 684	1 585.4	1983	83 11 - ABAND 83 10
64	3.06	0.113	0.42	0.81	84	866	56	17 370	1 689.8	1984	85 07
145	15.10	0.065	0.25	0.61	138	816	83	24 387	2 606.1	1978	79 08
64	22.10	0.050	0.22	0.66	162	811	83	17 343	2 796.0	1979	81 01 - ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	19 443	2 712.5	1979	84 12 - ABAND 85 08
64	30.20	0.059	0.41	0.61	210	829	84	22 635	2 587.3	1981	82 04
124	54.30	0.080	0.20	0.65	185	806	100	33 900	3 005.4	1977	85 10
34	7.47	0.085	0.26	0.50	328	801	99	30 175	2 911.0	1977	84 09
145	13.30	0.120	0.13	0.71	145	825	84	26 210	2 640.8	1977	80 03
143	39.00	0.120	0.10	0.80	140	841	82	25 781	2 583.7	1978	86 06
77	40.00	0.040	0.20	0.71	180	834	92	28 230	2 717.6	1978	82 09
170	16.66	0.119	0.18	0.76	89	852	83	26 640	2 550.2	1978	85 08
133	54.30	0.080	0.20	0.65	123	810	96	28 000	2 908.2	1978	81 05
76	10.12	0.095	0.12	0.70	148	833	89	27 173	2 767.7	1978	84 01
53	54.60	0.047	0.21	0.70	115	811	94	25 007	2 903.5	1978	85 08
69	52.40	0.066	0.25	0.67	142	809	90	27 730	2 791.0	1978	80 09
58	73.30	0.104	0.18	0.67	147	808	92	29 060	2 886.1	1978	81 05
253	30.10	0.105	0.12	0.71	124	821	93	28 620	2 869.7	1978	85 09
78	65.00	0.090	0.07	0.69	140	820	92	28 452	2 845.5	1979	83 07
85	29.13	0.110	0.11	0.66	164	809	88	27 460	2 757.5	1979	85 12
85	31.05	0.118	0.16	0.65	148	809	88	30 861	2 844.3	1979	83 11
170	44.00	0.103	0.13	0.63	186	800	93	28 992	2 905.0	1979	83 08
122	33.86	0.098	0.09	0.76	150	819	91	28 719	2 871.5	1980	85 05
64	10.86	0.095	0.11	0.68	148	827	89	27 299	2 762.4	1980	84 01
35	35.42	0.096	0.16	0.70	127	831	84	26 542	2 632.0	1981	84 01
65	2.44	0.200	0.35	0.83	80	855	38	8 270	910.4	1969	70 09 - ABAND 70 06
64	3.13	0.110	0.30	0.81	78	849	51	8 630	1 680.4	1976	79 09 - SUSP 81 12
1 014	1.19	0.100	0.36	0.79	65	850	55	8 953	1 696.3	1981	86 07
64	1.50	0.130	0.60	0.81	66	812	68	10 140	1 748.3	1983	84 09 - ABAND 84 10
64	1.30	0.180	0.30	0.80	76	820	66	10 569	1 678.4	1982	84 12 - ABAND 85 10
231	7.40	0.130	0.14	0.78	91	877	69	14 760	1 885.2	1960	79 08 - GPP
192	6.40	0.060	0.21	0.70	160	805	82	20 930	2 299.8	1961	83 07 - ABAND 84 01
65	5.18	0.109	0.17	0.60	217	825	77	20 410	2 312.5	1968	75 12 - SUSP 75 04
64	1.80	0.130	0.30	0.83	68	837	55	9 000	1 483.5	1957	85 10
64	2.20	0.087	0.15	0.62	190	821	60	19 768	1 801.7	1980	82 03
92	2.00	0.150	0.18	0.63	180		72	22 082	2 242.0	1981	86 12
64	3.20	0.150	0.30	0.70	135	820	65	19 991	1 786.5	1985	82 02

TABLE 2-4

	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
FIELD POOL	INITIAL VOLUME IN PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PINE CREEK 057-19W5 (CONTINUED)								
CARDIUM O	157.0	0.10		15.7		15.7	1.0	14.7
CARDIUM H & I	6 100.0	0.10		610.0		610.0	315.7	294.3
CARDIUM J & K	22.8	0.10		2.3		2.3	1.2	1.1
SECOND WHITE SPECKS A	2 860.0	0.10		286.0	ERSD	286.0	212.9	73.1
SECOND WHITE SPECKS C	384.0	0.05		19.2		19.2	3.2	16.0
D-3 C	113.0	<0.28		31.5		31.5	31.5	
PINE NORTH-WEST 058-20W5								
SECOND WHITE SPECKS A	415.0	0.02		8.3		8.3	7.2	1.1
PINEDALE 054-16W4								
VIKING A	70.5	0.10		7.1		7.1	0.1	7.0
POUCE COUPE 080-12W6								
CHARLIE LAKE A	114.0	<0.01		0.3		0.3	0.3	
BOUNDARY A	132.0	0.10		13.2		13.2	0.1	13.1
HALFWAY A	153.0	<0.01		0.1		0.1	0.1	
HALFWAY B	124.0	0.10		12.4		12.4	0.2	12.2
HALFWAY C	616.0	0.15		92.4		92.4	12.8	79.6
POUCE COUPE SOUTH 078-12W6								
BOUNDARY B TOTAL	6 660.0			733.0	464.0	1 200.0	231.3	968.7
PRIMARY AREA	1 500.0	0.11		165.0		165.0		
WATER FLOOD AREA	5 160.0	0.11	0.09	568.0	464.0	1 030.0		
BOUNDARY C	133.0	0.10		13.3		13.3	9.5	3.8
BOUNDARY D	67.8	0.10		6.8		6.8	1.5	5.3
BOUNDARY E	113.0	0.10		11.3		11.3	3.0	8.3
BOUNDARY F	125.0	0.10		12.5		12.5	2.5	10.0
BDY A & CH LK B TOTAL	2 950.0			295.0	170.0	465.0	139.5	325.5
PRIMARY AREA	1 950.0	0.10		195.0		195.0		
WATER FLOOD AREA	998.0	0.10	0.17	99.8	170.0	270.0		
DOIG C	219.0	0.10		21.9		21.9	1.8	20.1
PREVO 039-01W5								
VIKING A	118.0	0.20		23.6		23.6	18.9	4.7
VIKING B	88.9	0.15		13.3		13.3	7.7	5.6
UPPER MANNVILLE A	106.0	0.06		6.4		6.4	4.1	2.3
UPPER MANNVILLE B	1 300.0	0.10		130.0		130.0	15.4	114.6
PEKISKO A	170.0	0.10		17.0		17.0		17.0
PROGRESS 077-09W6								
DOE CREEK A	820.0	0.05		41.0		41.0	1.8	39.2
DOE CREEK C	323.0	0.10		32.3		32.3	1.8	30.5
CHARLIE LAKE A	87.7	0.10		8.8		8.8		8.8
CHARLIE LAKE B	14.5	0.10		1.5		1.5	0.2	1.3
CHARLIE LAKE C	145.0	0.10		14.5		14.5	0.6	13.9
CHARLIE LAKE E	122.0	0.10		12.2		12.2	0.3	11.9
CHARLIE LAKE F	92.9	0.10		9.3		9.3	1.1	8.2
CHARLIE LAKE G	1 250.0	0.10		125.0		125.0	15.3	109.7
CHARLIE LAKE I	196.0	0.10		19.6		19.6	2.9	16.7
CHARLIE LAKE K	175.0	0.10		17.5		17.5	0.1	17.4
CHARLIE LAKE L	269.0	0.15		40.4		40.4	0.5	39.9
BOUNDARY A	19.4	0.10		1.9		1.9	0.6	1.3
HALFWAY B	6 311.0	0.10		631.0		631.0	95.0	536.0
HALFWAY C	405.0	0.10		40.5		40.5	0.6	39.9
HALFWAY E	1 120.0	0.10		112.0		112.0	32.6	79.4
HALFWAY H	71.5	0.15		10.7		10.7	0.3	10.4
HALFWAY I	74.7	0.15		11.2		11.2	1.1	10.1
HALFWAY K	320.0	0.10		32.0		32.0		32.0
DOIG A	1 000.0	0.10		100.0		100.0	3.3	96.7
PROVOST 036-07W4								
VIKING P	180.0	0.05		9.0		9.0	1.5	7.5
VIKING V	170.0	0.10		17.0		17.0	12.8	4.2
VIKING Y	328.0	0.10		32.8		32.8	7.4	25.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.20	0.120	0.36	0.76	185	793	86	21 608	1 956.5	1985	85 08
4 160	2.24	0.110	0.15	0.70	167	805	68	21 745	1 976.2	1980	82 02
64	1.20	0.050	0.15	0.70				22 654	2 037.2	1980	81 09 - GPP
1 066	10.00	0.042	0.10	0.71	127	815	77	27 188	2 263.7	1973	79 01
64	6.50	0.200	0.35	0.71	140	833	63	24 033	1 878.5	1981	83 12 - GPP
64	5.23	0.063	0.15	0.63	204	801	107	32 010	3 304.2	1959	76 05 - ABAND 79 08
65	7.62	0.150	0.30	0.80	78	806	68	20 480	1 845.6	1975	78 12 - GPP
64	1.20	0.170	0.40	0.90	38	856	33	4 741	645.4	1982	83 07 - SUSP 83 09
64	3.10	0.150	0.49	0.75	95	826	70	12 976	1 596.6	1984	85 03 - SUSP 85 09
64	4.00	0.080	0.14	0.75	100	855	60	10 905	1 598.0	1982	85 11 - SUSP 85 06
65	3.54	0.098	0.15	0.80	85	855	70	16 200	1 688.6	1975	78 09 - SUSP 75 03
64	4.80	0.101	0.50	0.80	74	840	55	16 652	1 688.0	1980	82 06
256	4.99	0.090	0.33	0.80	74	840	56	15 695	1 637.4	1984	85 12
2 386					135	826	75	16 720	1 862.8	1980	85 01
640	3.10	0.120	0.16	0.75							
1 746	3.44	0.130	0.12	0.75							
64	1.80	0.170	0.14	0.79	76	834	70	16 633	1 832.6	1973	82 12
64	1.30	0.120	0.14	0.79	76	834	70	16 695	1 819.4	1973	82 12
64	3.40	0.090	0.27	0.79	82	834	60	16 370	1 776.1	1981	83 01
64	2.70	0.110	0.18	0.80	70	847	70	16 572	1 795.9	1984	84 11
1 110					93	834	70	16 408	1 780.7	1971	85 12
720	3.53	0.120	0.19	0.79							
390	2.77	0.136	0.14	0.79							
64	4.50	0.130	0.22	0.75	100	866	59	13 500	2 001.0	1985	86 05 - SUSP 86 03
256	1.03	0.072	0.25	0.83	58	827	58	9 634	1 697.7	1984	85 12
192	1.24	0.060	0.25	0.83	58	827	58	9 730	1 807.8	1984	86 05
64	2.42	0.130	0.25	0.70	89	870	66	16 200	1 940.7	1976	84 12 - GPP
64	24.50	0.130	0.20	0.80	75	897	65	12 750	1 848.7	1985	85 11
64	3.20	0.125	0.20	0.83	65	931	73	15 902	2 008.4	1986	86 11
256	1.87	0.250	0.24	0.90	39	837	26	4 500	335.4	1985	86 03
64	2.60	0.270	0.20	0.90	40	850	20	4 800	303.5	1985	86 05
64	2.40	0.100	0.42	0.84	67	813	62	13 268	1 681.2	1982	83 08 - SUSP 84 08
64	0.70	0.070	0.40	0.77	80	850	60	12 935	1 667.1	1983	85 08
128	2.64	0.107	0.48	0.77	80	850	60	12 893	1 658.9	1983	86 04
64	3.70	0.100	0.33	0.77	64	835	54	13 407	1 642.2	1983	85 08 - SUSP 86 06
64	4.10	0.100	0.54	0.77	64	849	67	13 461	1 648.5	1982	85 08 - SUSP 86 06
320	4.23	0.150	0.20	0.77	80	836	60	14 172	1 654.0	1985	85 09
64	3.20	0.160	0.18	0.73	118	825	55	15 444	1 681.4	1982	86 02
65	2.80	0.170	0.14	0.66	150	813	62	13 500	1 827.0	1985	86 08
64	3.50	0.180	0.11	0.75	96	825	54	9 700	1 648.3	1985	85 10
64	0.60	0.080	0.21	0.80	68	840	72	15 591	1 826.0	1984	85 07
896	13.63	0.100	0.32	0.76	112	844	70	17 555	1 909.4	1984	86 11
64	11.43	0.091	0.20	0.76	112	840	70	18 009	1 906.8	1984	85 05
128	10.36	0.150	0.12	0.64	191	805	67	20 538	1 840.3	1981	86 02
64	3.00	0.070	0.30	0.76	120	836	60	15 969	1 743.6	1984	86 04
64	1.90	0.150	0.37	0.65	185	812	60	16 500	1 730.8	1984	86 04
65	9.50	0.100	0.32	0.76	112	839	70	18 009	1 919.0	1985	86 08
64	23.70	0.100	0.12	0.75	94	830	70	10 150	1 895.4	1982	86 02
64	2.77	0.180	0.40	0.94	27	849	29	5 930	900.4	1977	85 12 - GPP
80	1.80	0.220	0.43	0.94	24	851	32	5 830	832.0	1976	85 12
128	2.50	0.210	0.48	0.94	23	851	30	5 303	849.4	1980	83 04 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
		PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3		
PROVOST 036-07W4 (CONTINUED)								
VIKING GG	106.0	<0.01		0.2		0.2	0.2	
VIKING RR	61.7	0.10		6.2		6.2	2.2	4.0
VIKING UU	13.9	0.10		1.4		1.4	0.1	1.3
VIKING CAK & MANNVILLE E TOTAL	93 000.0			5 284.0	5 461.0	10 750.0	7 436.5	3 313.5
PRIMARY AREA	39 100.0	0.08		3 128.0		3 128.0		
WATER FLOOD AREA	53 900.0	0.04	0.10	2 156.0	5 461.0	7 617.0		
VIKING GGG	55.9	<0.01		0.1		0.1		0.1
BLAIRMORE	1 850.0	0.12		222.0		222.0	184.1	37.9
BLAIRMORE B	3 970.0	0.20		794.0		794.0	685.4	108.6
MANNVILLE H	415.0	0.05		20.8		20.8	12.8	8.0
MANNVILLE I	745.0	0.03		22.4		22.4	10.3	12.1
MANNVILLE J	453.0	0.02		9.1		9.1	5.3	3.8
MANNVILLE L	3 360.0	0.02		67.2		67.2	24.8	42.4
MANNVILLE S	1 290.0	0.01		12.9		12.9	7.5	5.4
MANNVILLE T	190.0	0.02		3.8		3.8	2.3	1.5
MANNVILLE CC	204.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE E2E & LOWER MANNVILLE FF	178.0	0.10		17.8		17.8		17.8
UPPER MANNVILLE Y2Y	737.0	0.10		73.7		73.7	1.9	71.8
UPPER MANNVILLE Z2Z	166.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE F3F	493.0	0.05		24.6		24.6		24.6
LLOYDMINSTER A	684.0	0.03		20.5		20.5	6.7	13.8
LLOYDMINSTER D	1 780.0	0.10		178.0		178.0	25.5	152.5
LLOYDMINSTER G	100.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER H	120.0	0.10		12.0		12.0	3.4	8.6
LLOYDMINSTER I	60.5	0.05		3.0		3.0	1.1	1.9
LLOYDMINSTER J	35.4	0.10		3.5		3.5	1.6	1.9
LLOYDMINSTER L	95.5	0.05		4.8		4.8	0.6	4.2
LLOYDMINSTER M	33.3	0.10		3.3		3.3		3.3
LLOYDMINSTER N	398.0	0.05		19.9		19.9	0.3	19.6
LLOYDMINSTER O	2 650.0	0.05		133.0		133.0	27.3	105.7
LLOYDMINSTER P	36.8	0.01		0.4		0.4	0.4	
LLOYDMINSTER O	40.7	0.10		4.1		4.1		4.1
CUMMINGS A	2 500.0	0.10		250.0		250.0	177.5	72.5
CUMMINGS B	63.0	<0.01		0.1		0.1		0.1
CUMMINGS E	223.0	0.10		22.3		22.3	0.6	21.7
CUMMINGS F	264.0	0.10		26.4		26.4	8.6	17.8
CUMMINGS G	55.7	0.20		11.1		11.1	8.1	3.0
CUMMINGS I	67.0	0.30		20.1		20.1	14.4	5.7
LOWER MANNVILLE A	226.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE D	257.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE L	72.9	0.10		7.3		7.3	5.5	1.8
LOWER MANNVILLE P	152.0	0.10		15.2		15.2	4.7	10.5
LOWER MANNVILLE W	430.0	0.02		8.6		8.6	3.3	5.3
LOWER MANNVILLE AA	98.1	0.10		9.8		9.8	3.8	6.0
LOWER MANNVILLE BB	297.0	0.15		44.6		44.6	2.4	42.2
LOWER MANNVILLE CC	357.0	0.10		35.7		35.7	2.3	33.4
LOWER MANNVILLE NN	154.0	0.05		7.7		7.7	2.5	5.2
ELLERSLIE C	147.0	0.10		14.7		14.7	0.3	14.4
ELLERSLIE D	1 050.0	0.10		105.0		105.0	45.9	59.1
D-1 A	20.7	0.10		2.1		2.1	0.1	2.0
D-2 A	119.0	<0.01		1.0		1.0	1.0	
PUSKWASKAU 074-01W6								
D-2 A	124.0	0.30		37.2		37.2	8.7	28.5
D-3 A	880.0	0.35		308.0		308.0	28.7	279.3
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE A	276.0	0.10		27.6		27.6	0.8	26.8
UPPER MANNVILLE B	243.0	0.10		24.3		24.3	0.2	24.1
BASAL QUARTZ A	750.0	0.10		75.0		75.0	24.9	50.1
RAINBOW 109-05W6								
SLAVE POINT B	373.0	0.10		37.3		37.3	4.3	33.0
SULPHUR POINT B	374.0	0.25		93.5		93.5	12.0	81.5
SULPHUR POINT C	397.0	0.08		31.8		31.8	26.7	5.1
SULPHUR POINT E	127.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT F	855.0	0.20		171.0		171.0	125.7	45.3
SULPHUR POINT I	292.0	0.03		8.8		8.8	7.4	1.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.20	0.160	0.50	0.94	23	858	32	6 009	842.5	1979	83 12 - SUSP 83 03
64	1.20	0.190	0.55	0.94	20	868	31	5 587	825.7	1976	83 08 - GPP
64	0.70	0.060	0.45	0.94	22	851	38	5 447	808.9	1984	85 11 - SUSP 86 02
65 606					25	855	36	5 720	891.5	1946	86 12 - GPP
32 086	1.56	0.260	0.68	0.94							SW=(SW=.50 + SG=.18)=.68
33 520	1.36	0.252	0.50	0.94							SW=(SW=.37 + SG=.13)=.50
64	1.22	0.130	0.40	0.91	38	857	37	5 940	757.4	1978	78 11 - SUSP 82 04
297	3.20	0.290	0.27	0.92	28	892	33	6 140	875.9	1958	86 05 - GPP
549	3.54	0.290	0.25	0.94	27	892	33	6 340	944.0	1958	83 12 - GPP
65	3.66	0.300	0.35	0.90	25	887	27	6 170	813.5	1972	73 12 - GPP
256	2.34	0.220	0.35	0.87	62	870	28	6 120	843.9	1973	80 12 - GPP
65	4.27	0.240	0.25	0.91	34	881	34	6 210	935.4	1975	78 12 - GPP
256	7.00	0.260	0.24	0.95	21	900	28	5 990	827.8	1976	83 08 - GPP
65	8.84	0.300	0.20	0.94	25	910	37	5 740	787.3	1976	85 12 - GPP
64	3.23	0.200	0.49	0.90	35	876	30	6 095	877.4	1977	86 02
64	2.54	0.220	0.40	0.95	18	881	30	7 216	851.8	1979	82 12 - SUSP 80 06
64	3.20	0.170	0.40	0.85	24	872	41	4 100	1 156.1	1985	86 06
96	7.08	0.200	0.37	0.86	55	874	38	6 260	1 150.8	1984	85 10
16	7.80	0.230	0.37	0.92	32	916	32	6 744	964.4	1982	83 02 - SUSP 84 04
64	6.90	0.230	0.50	0.97	25	882	31	5 800	805.1	1985	86 10
64	7.70	0.220	0.35	0.97	38	880	17	6 205	805.1	1979	82 12 - GPP
480	2.62	0.260	0.42	0.94	28	870	30	5 548	787.2	1983	84 12
16	3.50	0.330	0.40	0.90	42	964	30	6 165	905.8	1984	84 11 - ABAND 84 09
32	2.00	0.300	0.30	0.10	27	902	28	5 179	791.0	1984	84 11
32	1.00	0.300	0.30	0.90	42	902	30	5 094	789.0	1984	84 05
32	0.70	0.270	0.35	0.90	42	902	30	4 906	792.7	1984	84 05
16	3.70	0.280	0.40	0.96	25	937	30	5 520	782.9	1984	85 03
16	1.10	0.300	0.30	0.90	30	902	29	5 510	780.9	1984	85 08
64	3.50	0.300	0.39	0.97	11	970	30	5 598	794.3	1984	85 11
160	6.12	0.320	0.12	0.96	17	911	28	5 195	800.9	1985	86 09
16	1.20	0.300	0.29	0.90	25	902	26	5 000	759.1	1984	86 08 - SUSP 84 06
16	1.30	0.320	0.32	0.90	43	900	27	7 500	782.9	1984	86 08
1 354	1.67	0.190	0.40	0.97	27	876	28	6 130	834.8	1973	85 12
64	1.00	0.170	0.40	0.96	18	888	28	7 180	946.2	1949	83 12 - SUSP 80 05
64	2.00	0.300	0.40	0.97	9	865	35	4 959	919.0	1983	84 03
64	2.10	0.270	0.25	0.97	9	875	33	5 468	796.1	1983	84 03
32	1.50	0.240	0.48	0.93	9	866	33	5 568	832.0	1983	86 12
48	0.74	0.280	0.31	0.97	25	910	29	5 200	782.9	1984	86 12
64	4.31	0.130	0.30	0.90	43	874	38	7 171	976.9	1977	78 08 - ABAND 78 06
64	3.40	0.200	0.35	0.91	35	892	32	6 770	1 000.8	1978	83 12 - SUSP 81 12
64	1.00	0.230	0.45	0.90	42	861	32	6 878	1 030.5	1980	81 06 - GPP
64	2.00	0.240	0.45	0.90		850	38	7 163	1 064.2	1981	82 03
64	5.30	0.240	0.45	0.96	15	865	30	7 036	1 049.2	1982	86 12
64	1.70	0.200	0.51	0.92	33	871	31	5 000	1 051.6	1984	85 01
64	2.20	0.310	0.26	0.92	20	877	29	3 400	1 053.1	1985	85 09
64	2.50	0.270	0.13	0.95	19	890	31	3 400	876.0	1985	85 11
16	7.10	0.220	0.25	0.82	28	949	37	6 358	965.8	1983	83 11 - GPP
64	3.00	0.173	0.52	0.92	37	897	21	6 300	963.5	1985	86 04
112	5.24	0.270	0.28	0.92	32	912	34	6 490	965.8	1982	83 08
64	2.20	0.030	0.45	0.89	41	903	41	7 908	1 016.2	1980	84 05
65	5.49	0.070	0.40	0.80					1 131.4	1974	76 12 - SUSP 75 12
64	7.00	0.060	0.19	0.57	246	822	88	25 440	2 610.0	1984	86 03
192	14.10	0.070	0.17	0.56	247	825	82	26 104	2 684.4	1984	86 03
64	2.47	0.134	0.50	0.89	37	852	27	5 494	895.1	1980	84 12 - SUSP 82 02
64	4.50	0.180	0.38	0.86	55	871	39	5 707	1 048.4	1981	84 05
64	4.00	0.180	0.38	0.85	64	871	38	9 156	1 048.2	1978	86 07
256	2.54	0.240	0.44	0.86	65	868	36	8 755	1 079.1	1979	82 09
64	9.80	0.110	0.40	0.90	45	854	40	12 550	1 241.6	1970	84 03
140	7.83	0.070	0.35	0.75	101	834	72	14 730	1 543.5	1967	86 12
109	6.77	0.090	0.20	0.75	121	839	68	15 355	1 611.0	1967	70 03 - GPP - MRL
65	6.10	0.055	0.25	0.78	89	849	74	14 560	1 636.5	1967	71 03 - SUSP 71 03
182	8.14	0.095	0.20	0.76	91	825	74	14 170	1 550.5	1970	84 12
64	11.36	0.081	0.34	0.75	95	829	86	13 886	1 550.8	1975	79 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RAINBOW 109-05W6 (CONTINUED)								
SULPHUR POINT L	130.0	0.10		13.0		13.0	4.8	8.2
SULPHUR POINT O	604.0	0.20		121.0		121.0	58.2	62.8
MUSKEG A	639.0	0.08		51.1		51.1	44.8	6.3
MUSKEG B	54.7	<0.13		6.7		6.7	6.7	
MUSKEG C	795.0	0.20		159.0		159.0	129.6	29.4
MUSKEG D	300.0	0.02		6.0		6.0	5.9	0.1
MUSKEG F	3 180.0	0.15		477.0		477.0	273.7	203.3
MUSKEG G	159.0	<0.04		5.5		5.5	5.5	
MUSKEG I	1 430.0	0.25		358.0		358.0	183.0	175.0
MUSKEG J	248.0	0.08		19.8		19.8	12.0	7.8
MUSKEG K	1 060.0	0.15		159.0		159.0	36.5	122.5
MUSKEG M	115.0	0.15		17.3		17.3	9.1	8.2
MUSKEG N	1 780.0	0.15		267.0		267.0	26.5	240.5
MUSKEG O	6 280.0	0.13		816.0		816.0	148.7	667.3
MUSKEG P	135.0	0.15		20.3		20.3	4.0	16.3
MUSKEG R	52.5	<0.02		0.7		0.7	0.1	0.6
MUSKEG S	1 620.0	0.20		324.0		324.0	121.5	202.5
MUSKEG T	612.0	0.20		122.0		122.0	21.6	100.4
MUSKEG Y	1 455.0	0.15		218.0		218.0	5.8	212.2
MUSKEG BB	151.0	0.15		22.7		22.7		22.7
MUSKEG CC	114.0	0.15		17.1		17.1		17.1
KEG RIVER A SOLVENT FLOOD	14 300.0	0.50	0.38	7 150.0	5 430.0	12 600.0	8 798.0	3 802.0
KEG RIVER B SOLVENT FLOOD	43 000.0	0.40	0.32	17 200.0	13 600.0	30 800.0	18 727.2	12 072.8
KEG RIVER D SOLVENT FLOOD	1 130.0	0.58	0.24	655.0	270.0	925.0	603.0	322.0
KEG RIVER E SOLVENT FLOOD	3 970.0	<0.46	0.40	1 800.0	1 590.0	3 390.0	1 757.9	1 632.1
KEG RIVER F WATER FLOOD	31 800.0	0.53	0.07	16 900.0	2 220.0	19 100.0	14 952.9	4 147.1
KEG RIVER G SOLVENT FLOOD	2 380.0	0.40	0.37	953.0	882.0	1 840.0	1 341.7	498.3
KEG RIVER H SOLVENT FLOOD	2 350.0	0.40	0.35	938.0	821.0	1 760.0	1 386.1	373.9
KEG RIVER I TOTAL	6 130.0			2 760.0	810.0	3 570.0	2 497.6	1 072.4
SOLVENT FLOOD AREA	1 880.0	0.45	0.25	846.0	470.0	1 320.0		
WATER FLOOD AREA	4 250.0	0.45	0.08	1 910.0	340.0	2 250.0		
KEG RIVER K	1 780.0	0.35		623.0		623.0	431.5	191.5
KEG RIVER M	477.0	0.27		129.0		129.0	112.6	16.4
KEG RIVER N GAS FLOOD	2 000.0	0.30	0.10	600.0	200.0	800.0	666.9	133.1
KEG RIVER O SOLVENT FLOOD	6 210.0	0.40	0.40	2 480.0	2 480.0	4 960.0	3 790.4	1 169.6
KEG RIVER P	795.0	0.22		175.0		175.0	151.7	23.3
KEG RIVER R	71.0	<0.06		3.9		3.9	3.9	
KEG RIVER S	2 110.0	0.38		802.0		802.0	537.4	264.6
KEG RIVER T SOLVENT FLOOD	3 180.0	<0.42	0.40	1 330.0	1 270.0	2 600.0	1 772.8	827.2
KEG RIVER U	3 250.0	0.26		845.0		845.0	695.1	149.9
KEG RIVER V	84.7	<0.01		0.4		0.4	0.4	
KEG RIVER W	340.0	0.15		51.0		51.0	30.4	20.6
KEG RIVER X	636.0	0.50		318.0		318.0	221.1	96.9
KEG RIVER Y	28.5	0.10		2.9		2.9	1.5	1.4
KEG RIVER Z SOLVENT FLOOD	1 490.0	0.32	0.34	476.8	506.6	983.4	655.6	327.8
KEG RIVER AA SOLVENT FLOOD	15 900.0	0.57	0.22	9 060.0	3 380.0	12 400.0	6 500.3	5 899.7
KEG RIVER DD	585.0	0.15		87.8		87.8	75.8	12.0
KEG RIVER EE WATER FLOOD	2 780.0	0.35	0.23	973.0	639.0	1 610.0	1 192.7	417.3
KEG RIVER FF SOLVENT FLOOD	2 500.0	0.42	0.24	1 050.0	600.0	1 650.0	1 034.8	615.2
KEG RIVER GG	1 300.0	0.47		610.0		610.0	410.5	199.5
KEG RIVER HH	752.0	0.02		14.8		14.8	3.2	11.6
KEG RIVER II SOLVENT FLOOD	3 490.0	0.50	0.25	1 750.0	873.0	2 620.0	1 705.0	915.0
KEG RIVER JJ WATER FLOOD	1 360.0	<0.43	0.12	583.0	164.0	747.0	497.3	249.7
KEG RIVER KK WATER FLOOD	787.0	0.41	0.09	323.0	70.9	394.0	206.1	187.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	5.79	0.080	0.45	0.79	75	844	94	15 310	1 671.8	1969	78 01 - GPP
41	17.37	0.112	0.09	0.83	65	839	81	16 980	1 739.3	1967	68 07
119	7.22	0.097	0.08	0.83	56	844	86	15 440	1 762.7	1966	82 12 - GPP
16	11.43	0.050	0.20	0.74	107	820	82	15 500	1 659.9	1966	76 12 - SUSP 76 11
75	16.12	0.098	0.12	0.76	92	834	84	16 580	1 580.1	1967	83 12
81	9.14	0.060	0.10	0.75	105	834	77	14 586	1 625.5	1967	84 12 - SUSP 83 07
970	9.14	0.057	0.15	0.74	103	825	88	15 480	1 639.5	1965	76 08 - GPP
81	5.76	0.050	0.15	0.80	56	834	86	14 550	1 604.2	1968	79 04 - ABAND 79 04
164	20.39	0.068	0.17	0.76	81	834	84	14 930	1 593.5	1967	85 12
81	6.10	0.080	0.15	0.74	108	825	88	16 045	1 727.0	1975	82 12 - GPP
64	19.00	0.120	0.10	0.81	129	884	82	16 984	1 717.1	1978	79 07
64	2.50	0.100	0.08	0.78	87	845	84	15 333	1 761.8	1983	83 09
320	12.17	0.068	0.17	0.81	62	834	86	9 377	1 841.3	1982	86 10
704	17.47	0.075	0.17	0.82	57	835	80	18 618	1 838.3	1983	85 05 - GPP
64	5.80	0.060	0.20	0.76	85	828	84	16 304	1 804.0	1965	84 08
64	3.00	0.060	0.40	0.76	95	838	85	14 617	1 621.5	1984	85 02 - SUSP 85 12
173	11.39	0.110	0.11	0.84	50	829	82	17 310	1 777.9	1967	86 05
128	11.86	0.060	0.20	0.84	56	833	81	20 690	1 866.7	1968	85 07 - GPP
256	11.30	0.073	0.16	0.82	60	835	86	9 380	1 775.5	1986	86 11
64	4.20	0.080	0.10	0.78	140	840	87	16 482	1 761.0	1984	86 10
64	4.90	0.060	0.12	0.69	129	840	82	12 466	1 723.0	1983	86 10
253	90.22	0.101	0.10	0.69	141	811	84	18 090	1 944.9	1965	70 02 - I.S. NO. 1
1 090	69.12	0.080	0.13	0.82	62	834	85	17 170	1 820.0	1965	84 07
34	45.72	0.100	0.08	0.78	77	825	82	17 780	1 923.3	1966	67 12 - I.S. NO. 1
69	69.49	0.120	0.09	0.76	95	829	83	17 130	1 808.4	1966	67 12 - I.S. NO. 1
1 644	73.30	0.045	0.15	0.69	135	815	85	17 480	1 855.6	1966	75 05
65	68.58	0.080	0.08	0.72	85	829	83	17 860	1 874.8	1966	67 12 - I.S. NO. 1
19	176.00	0.094	0.08	0.80	78	829	84	20 350	1 893.1	1966	83 04 - I.S. NO. 1
415					122	820	79	16 450	1 739.2	1966	85 03
146	38.87	0.055	0.15	0.71							
269	47.60	0.055	0.85	0.71							
376	24.72	0.035	0.26	0.74	106	815	88	15 890	1 786.7	1966	70 02
106	16.40	0.047	0.22	0.75	106	797	84	15 620	1 680.1	1966	86 12 - GPP
425	28.30	0.030	0.28	0.77	87	815	84	15 860	1 839.8	1966	85 05 - 1.S. NO. 2
281	61.26	0.060	0.13	0.69	135	815	84	16 550	1 845.0	1966	68 02 - I.S. NO. 1
40	33.71	0.085	0.11	0.77	88	834	83	16 730	1 875.7	1967	86 12 - GPP
20	12.19	0.045	0.20	0.80	76	855	87	15 550	1 727.3	1967	78 10 - SUSP 77 08
342	17.75	0.055	0.19	0.78	87	825	85	15 480	1 734.9	1966	84 12 - GPP
87	52.73	0.097	0.08	0.78	78	844	86	16 690	1 769.4	1967	71 01 - I.S. NO. 2
244	27.10	0.074	0.16	0.79	79	844	88	15 560	1 738.0	1966	80 07
65	5.49	0.048	0.29	0.70	99	844	87	14 960	1 502.4	1966	68 05 - SUSP 68 04
38	21.95	0.066	0.19	0.77	93	811	77	15 780	1 864.5	1967	81 12 - GPP
68	17.37	0.090	0.13	0.69	131	815	87	15 510	1 624.9	1966	81 07
64	5.79	0.020	0.45	0.70	126	820	87	15 200	1 561.5	1966	85 11 - SUSP 86 03
181	37.09	0.040	0.27	0.76	86	834	86	15 580	1 595.6	1967	86 10 - IS NO. 2
259	97.35	0.092	0.11	0.77	92	829	84	16 090	1 684.0	1967	76 03 - I.S. NO. 11
134	18.47	0.040	0.25	0.79	80	820	87	15 840	1 797.7	1967	82 12
148	45.04	0.063	0.14	0.77	88	834	86	15 170	1 686.5	1967	84 12 - 1.5. NO. 11
92	43.57	0.090	0.10	0.77	86	839	87	15 820	1 716.6	1967	86 04
191	29.14	0.040	0.22	0.75	81	784	93	15 890	1 706.0	1966	73 12
65	42.06	0.046	0.25	0.80	85	820	84	17 930	1 881.5	1967	85 12
73	71.48	0.100	0.12	0.76	85	820	89	17 440	1 812.0	1967	84 01
51	48.77	0.085	0.10	0.72	110	815	90	16 990	1 817.5	1967	73 09 - I.S. NO. 11
154	22.46	0.040	0.25	0.76	74	779	94	16 290	1 741.9	1967	73 04 - I.S. NO. 11

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER LL	1 590.0	0.15		238.0		238.0	174.4	63.6
KEG RIVER MM	1 840.0	0.35		644.0		644.0	189.2	454.8
KEG RIVER NN	679.0	0.15		103.0		103.0	102.9	0.1
KEG RIVER OO WATER FLOOD	733.0	0.35	0.12	257.0	88.0	345.0	227.4	117.6
KEG RIVER PP TOTAL	570.0			262.0	39.9	302.0	213.1	88.9
PRIMARY AREA	285.0	0.46		131.0		131.0		
WATER FLOOD AREA	285.0	0.46	0.14	131.0	39.9	171.0		
KEG RIVER QQ WATER FLOOD	1 210.0	0.35	0.18	423.0	218.0	641.0	352.0	289.0
KEG RIVER RR WATER FLOOD	413.0	0.40	0.13	165.0	53.7	219.0	201.9	17.1
KEG RIVER SS	477.0	0.10		47.7		47.7	28.9	18.8
KEG RIVER TT	41.5	<0.02		0.5		0.5	0.5	
KEG RIVER VV WATER FLOOD	319.0	0.36	0.11	115.0	35.1	150.0	124.1	25.9
KEG RIVER WW	477.0	0.20		95.4		95.4	55.1	40.3
KEG RIVER XX	183.0	0.14		25.6		25.6	25.6	
KEG RIVER ZZ	300.0	0.40		120.0		120.0	90.9	29.1
KEG RIVER BBB	600.0	0.30		180.0		180.0	75.4	104.6
KEG RIVER CCC	556.0	0.35		195.0		195.0	138.1	56.9
KEG RIVER DDD WATER FLOOD	928.0	0.40	0.11	372.0	102.0	474.0	153.9	320.1
KEG RIVER EEE SOLVENT FLOOD	1 910.0	0.40	0.30	764.0	572.0	1 340.0	701.3	638.7
KEG RIVER GGG	569.0	0.40		228.0		228.0	25.3	202.7
KEG RIVER HHH	254.0	0.15		38.1		38.1	24.4	13.7
KEG RIVER III	187.0	0.40		74.8		74.8	1.4	73.4
KEG RIVER JJJ	195.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	159.0	0.35		55.6		55.6	31.0	24.6
KEG RIVER LLL	378.0	0.30		113.0		113.0	34.7	78.3
KEG RIVER MMM	159.0	<0.01		1.3		1.3	1.3	
KEG RIVER NNN	375.0	0.20		75.0		75.0	1.0	74.0
KEG RIVER OOO WATER FLOOD	234.0	<0.20	0.08	45.1	18.7	63.8	63.8	
KEG RIVER QQQ	1 750.0	0.12		210.0		210.0	182.7	27.3
KEG RIVER RRR WATER FLOOD	607.0	0.40	0.15	243.0	91.0	334.0	198.6	135.4
KEG RIVER SSS	195.0	0.30		58.6		58.6	34.7	23.9
KEG RIVER TTT	454.0	0.30		136.0		136.0	86.1	49.9
KEG RIVER UUU	111.0	0.30		33.4		33.4	16.3	17.1
KEG RIVER VVV	137.0	0.10		13.7		13.7	4.0	9.7
KEG RIVER WWW	377.0	0.15		56.6		56.6	11.8	44.8
KEG RIVER XXX	233.0	0.30		69.9		69.9	2.9	67.0
KEG RIVER YYY	140.0	0.20		28.0		28.0	10.6	17.4
KEG RIVER ZZZ	205.0	0.35		71.8		71.8	1.1	70.7
KEG RIVER A2A	323.0	0.30		96.9		96.9	7.1	89.8
KEG RIVER B2B	132.0	0.15		20.0		20.0	1.4	18.6
KEG RIVER C2C WATER FLOOD	2 540.0	0.40	0.13	1 020.0	331.0	1 350.0	599.9	750.1
KEG RIVER D2D	90.0	0.15		13.5		13.5	1.4	12.1
KEG RIVER F2E	70.2	<0.01		0.1		0.1		0.1
KEG RIVER G2G	130.0	0.25		32.5		32.5	0.3	32.2
KEG RIVER I2I	147.0	0.25		36.8		36.8	8.2	28.6
KEG RIVER J2J	146.0	0.25		36.5		36.5	0.1	36.4
KEG RIVER M2M	264.0	0.20		52.8		52.8		52.8
KEG RIVER N2N	139.0	0.20		27.8		27.8	0.2	27.6
RAINBOW SOUTH 107-09W6								
SULPHUR POINT B	23.8	0.04		1.0		1.0	1.0	
MUSKEG A	37.0	<0.24		8.6		8.6	8.6	
MUSKEG B	238.0	0.17		40.5		40.5	20.9	19.6
MUSKEG C	630.0	0.20		126.0		126.0	9.3	116.7
MUSKEG D	157.0	0.30		47.1		47.1	11.1	36.0
MUSKEG F	448.0	<0.01		0.2		0.2	0.2	
MUSKEG G	600.0	0.20		120.0		120.0	30.5	89.5
MUSKEG H	626.0	0.15		93.9		93.9	52.1	41.8
MUSKEG I	518.0	0.15		77.7		77.7	24.1	53.6
MUSKEG J	214.0	<0.04		7.0		7.0	7.0	
MUSKEG K	364.0	0.15		54.6		54.6	14.4	40.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
304	35.97	0.026	0.30	0.80	68	797	86	15 480	1 603.0	1967	69 02
518	25.10	0.027	0.32	0.77	81	855	84	15 070	1 679.5	1967	84 06 - GPP
166	13.01	0.053	0.23	0.77	70	806	86	15 310	1 612.8	1967	82 12 - SUSP 84 09
167	11.60	0.060	0.17	0.76	92	825	85	15 310	1 642.2	1967	85 12
90					106	784	94	15 490	1 668.5	1968	84 12
45	38.60	0.030	0.22	0.71							
45	38.60	0.030	0.22	0.71							
112	39.32	0.045	0.21	0.77	94	839	85	15 240	1 673.0	1968	69 07 - I.S. NO. 11
39	24.40	0.070	0.15	0.73	98	779	93	16 000	1 739.2	1968	84 12 - I.S. NO. 11
47	28.65	0.054	0.20	0.82	57	834	87	15 240	1 710.8	1968	75 12 - GPP
36	10.15	0.023	0.35	0.75	108	797	83	15 530	1 670.6	1967	77 09 - SUSP 77 11
71	22.00	0.040	0.25	0.68	74	834	73	16 130	1 750.5	1968	83 12 - I.S. NO. 11
50	58.49	0.030	0.30	0.78	81	849	82	15 170	1 509.9	1968	84 12 - GPP
39	18.87	0.040	0.20	0.77	75	825	84	15 480	1 747.4	1968	86 12 - SUSP 85 06
45	27.43	0.040	0.22	0.78	84	834	87	15 070	1 513.3	1968	84 12
106	30.25	0.032	0.24	0.77	95	839	82	15 720	1 574.3	1968	84 12
41	39.93	0.050	0.15	0.79	89	839	80	15 860	1 562.7	1968	70 02
61	40.63	0.054	0.15	0.82	55	834	87	15 200	1 574.6	1968	70 12 - I.S. NO. 11
24	64.01	0.168	0.05	0.77	95	839	86	14 490	1 855.3	1968	72 02 - I.S. NO. 1
80	22.86	0.050	0.19	0.77	85	834	84	15 030	1 504.0	1968	73 08 - SUSP 86 04
303	9.69	0.018	0.40	0.80	68	797	84	15 490	1 590.1	1967	82 12 - GPP
38	20.33	0.042	0.25	0.77	85	834	82	15 070	1 514.9	1969	85 04
28	46.33	0.026	0.30	0.82	68	839	86	15 110	1 532.2	1969	71 01 - SUSP 70 07
11	40.84	0.053	0.15	0.79	82	834	88	15 700	1 892.8	1969	75 04 - GPP
69	35.84	0.025	0.27	0.84	55	844	87	15 110	1 523.4	1969	70 01
12	30.63	0.066	0.18	0.79	66	834	86	15 400	1 875.7	1969	75 06 - SUSP 73 12
65	33.83	0.033	0.35	0.80	67	839	79	15 240	1 604.5	1969	82 12
81	9.91	0.045	0.20	0.81	64	811	97	15 860	1 748.9	1970	83 12 - I.S. NO. 11
383	13.81	0.053	0.22	0.80	55	811	90	15 280	1 609.6	1968	86 12 - GPP
80	16.20	0.070	0.12	0.76	92	825	88	14 910	1 621.4	1971	85 12
65	10.06	0.047	0.16	0.76	101	825	84	15 360	1 687.7	1972	73 12
65	20.97	0.058	0.25	0.77	89	811	88	15 720	1 861.4	1973	77 02
31	12.41	0.048	0.20	0.76	92	815	83	15 479	1 688.0	1974	75 10
65	8.75	0.043	0.27	0.77	85	834	89	14 580	1 491.4	1976	85 04
32	54.00	0.040	0.30	0.78	81	810	87	14 866	1 579.0	1980	83 12 - SUSP 86 03
64	12.00	0.050	0.20	0.76	104	815	72	13 823	1 539.0	1982	82 07 - SUSP 84 04
45	50.00	0.020	0.60	0.78	81	783	93	12 801	1 614.5	1982	83 12
64	15.00	0.040	0.28	0.74	105	803	45	14 540	1 584.4	1983	84 05 - SUSP 84 08
64	11.50	0.060	0.13	0.84	100	824	86	15 395	1 692.8	1984	84 06
64	19.76	0.020	0.32	0.76	69	834	88	14 770	1 680.3	1982	85 08 - SUSP 86 03
71	74.55	0.080	0.10	0.67	140	815	84	20 460	1 906.2	1966	76 06
11	57.54	0.030	0.40	0.79	54	823	82	8 888	1 572.8	1985	86 06
64	19.00	0.015	0.45	0.70	112	800	100	10 125	1 946.5	1985	86 03 - SUSP 86 01
64	31.00	0.013	0.38	0.81	54	820	65	7 150	1 621.5	1986	86 03
64	17.40	0.020	0.24	0.87	41	831	75	6 757	1 596.6	1985	86 03
64	34.00	0.016	0.50	0.84	53	820	81	7 605	1 527.0	1985	86 03 - SUSP 86 03
64	37.50	0.021	0.32	0.77	93	812	77	13 550	1 864.8	1985	86 06
64	26.40	0.020	0.45	0.75	86	786	90	10 100	1 764.7	1984	86 09
11	2.96	0.120	0.14	0.69	154	829	60	19 600	1 814.8	1973	78 09 - SUSP 78 06
5	19.87	0.080	0.20	0.64	180	811	88	18 480	1 893.4	1965	83 12 - SUSP 82 01
42	9.14	0.098	0.10	0.71	121	825	84	16 220	1 830.3	1969	71 01
64	16.75	0.090	0.13	0.75	160	820	90	13 472	1 925.2	1967	86 06
32	9.54	0.080	0.15	0.75	107	820	82	17 750	1 925.4	1968	82 05 - SUSP 86 08
64	16.70	0.080	0.25	0.70	124	825	72	17 360	1 903.0	1968	78 04 - ABAND 79 10
63	19.78	0.080	0.14	0.70	160	825	90	13 472	1 911.1	1978	86 09
65	17.68	0.080	0.10	0.76	89	820	77	17 350	1 829.4	1967	78 11
64	14.00	0.100	0.15	0.68	125	825	90	17 600	1 922.4	1978	79 06
64	8.00	0.070	0.12	0.68	130	802	78	17 326	1 906.5	1979	83 05 - ABAND 85 12
64	13.80	0.070	0.08	0.64	160	789	90	16 547	1 918.4	1982	83 07

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RAINBOW SOUTH 107-09W6 (CONTINUED)								
MUSKEG L	130.0	<0.03		3.0		3.0	3.0	
MUSKEG N	300.0	0.20		60.0		60.0	8.5	51.5
MUSKEG O	1 360.0	0.15		204.0		204.0	13.7	190.3
MUSKEG P	4 520.0	0.15		678.0		678.0	22.2	655.8
MUSKEG Q	316.0	0.20		63.2		63.2	2.6	60.6
MUSKEG S	288.0	0.25		72.0		72.0		72.0
MUSKEG U	155.0	0.25		38.8		38.8		38.8
KEG RIVER A WATER FLOOD	5 720.0	0.46	0.08	2 630.0	445.0	3 080.0	1 662.5	1 417.5
KEG RIVER B SOLVENT FLOOD	6 520.0	<0.46	0.35	2 940.0	2 270.0	5 210.0	3 323.6	1 886.4
KEG RIVER C	2 250.0	0.50		1 130.0		1 130.0	390.5	739.5
KEG RIVER D	207.0	0.30		62.1		62.1	15.0	47.1
KEG RIVER E WATER FLOOD	7 150.0	0.50	0.06	3 580.0	429.0	4 010.0	2 189.3	1 820.7
KEG RIVER F	1 280.0	0.15		192.0		192.0	143.3	48.7
KEG RIVER G WATER FLOOD	3 180.0	0.48	0.09	1 530.0	286.0	1 820.0	1 001.7	818.3
KEG RIVER J	514.0	0.35		180.0		180.0	50.3	129.7
KEG RIVER K	173.0	0.45		77.8		77.8	33.8	44.0
KEG RIVER L	95.2	0.45		42.8		42.8	25.1	17.7
KEG RIVER M	154.0	0.25		38.5		38.5	5.6	32.9
KEG RIVER N	5 000.0	0.35		1 750.0		1 750.0	247.6	1 502.4
KEG RIVER P	340.0	0.45		153.0		153.0	55.7	97.3
KEG RIVER S	476.0	0.45		214.0		214.0	81.7	132.3
RAINIER 017-15W4								
GLAUCONITIC B	100.0	0.10		10.0		10.0	5.8	4.2
RED COULEE 001-17W4								
MOULTON A WATER FLOOD	270.0	0.14	0.09	37.8	24.3	62.1	58.3	3.8
MOULTON B TOTAL	993.0			62.0	96.1	158.0	156.2	1.8
PRIMARY AREA	119.0	0.08		9.5		9.5		
WATER FLOOD AREA	874.0	0.06	0.11	52.4	96.1	149.0		
MOULTON C WATER FLOOD	540.0	0.23	0.13	124.0	70.2	194.0	192.5	1.5
SUNBURST A	299.0	<0.04		10.5		10.5	10.0	0.5
SUNBURST B	445.0	0.11		48.9		48.9	45.2	3.7
RED EARTH 088-08W5								
SLAVE POINT A TOTAL	9 050.0			527.0	351.0	878.0	526.3	351.7
PRIMARY AREA	6 170.0	0.05		325.0		325.0		
WATER FLOOD AREA	2 880.0	0.07	0.13	202.0	351.0	553.0		
SLAVE POINT C	240.0	0.15		36.0		36.0	28.9	7.1
SLAVE POINT E	4 000.0	0.06		240.0		240.0	177.7	62.3
SLAVE POINT F	119.0	0.10		11.9		11.9	9.0	2.9
SLAVE POINT G	137.0	0.10		13.7		13.7	8.5	5.2
SLAVE POINT J	144.0	0.10		14.4		14.4	7.0	7.4
SLAVE POINT Q	244.0	0.10		24.4		24.4	2.6	21.8
SLAVE POINT S	880.0	0.10		88.0		88.0	9.5	78.5
SLAVE POINT U	357.0	0.10		35.7		35.7	14.3	21.4
SLAVE POINT V	884.0	0.10		88.4		88.4	24.6	63.8
SLAVE POINT W	153.0	0.10		15.3		15.3	2.5	12.8
SLAVE POINT X	229.0	<0.01		0.1		0.1	0.1	
SLAVE POINT Y	248.0	0.10		24.8		24.8	0.3	24.5
SLAVE POINT Z	49.0	0.10		4.9		4.9	1.1	3.8
SLAVE POINT AA	74.0	0.10		7.4		7.4	0.6	6.8
GRANITE WASH A	14 400.0	0.30		4 320.0		4 320.0	2 781.4	1 538.6
GRANITE WASH B	76.6	0.20		15.3		15.3	8.2	7.1
GRANITE WASH C	2 370.0	0.35		830.0		830.0	641.6	188.4
GRANITE WASH D	254.0	0.20		50.8		50.8	4.9	45.9
GRANITE WASH E TOTAL	4 000.0			1 000.0	90.0	1 090.0	729.2	360.8
PRIMARY AREA	2 200.0	0.25		550.0		550.0		
WATER FLOOD AREA	1 800.0	0.25	0.05	450.0	90.0	540.0		
GRANITE WASH F	1 280.0	0.04		51.2		51.2	5.4	45.8
GRANITE WASH I	136.0	0.10		13.5		13.5	8.1	5.4
GRANITE WASH J	533.0	0.10		53.3		53.3	26.2	27.1
GRANITE WASH K	316.0	0.10		31.6		31.6	27.9	3.7
GRANITE WASH L	427.0	0.02		8.5		8.5	8.0	0.5
GRANITE WASH M	45.6	0.15		6.8		6.8	4.0	2.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
24	11.80	0.080	0.10	0.64	160	790	90	18 003	2 010.1	1983	85 04 - SUSP 85 06
38	14.43	0.080	0.10	0.76	86	789	87	14 566	1 867.4	1969	86 09
192	16.60	0.072	0.14	0.69	190	807	84	19 111	1 830.2	1984	86 05
448	22.07	0.068	0.18	0.82	57	834	81	18 567	1 828.0	1984	86 12
64	14.10	0.061	0.19	0.70	118	816	83	13 100	1 847.5	1985	85 11
64	6.50	0.120	0.10	0.64	160	789	90	13 472	1 930.5	1985	86 05
64	5.06	0.083	0.10	0.64	160	758	90	13 470	1 873.8	1967	86 09
167	65.17	0.097	0.14	0.63	176	801	81	18 600	1 945.2	1965	68 02 - GPP
223	79.86	0.060	0.14	0.71	162	811	85	18 820	1 969.0	1966	68 02
304	24.10	0.050	0.16	0.73	171	811	88	18 060	1 947.7	1966	86 06
101	18.35	0.028	0.30	0.57	225	775	92	18 620	1 943.1	1965	84 08 - GPP
177	92.57	0.075	0.12	0.66	159	806	90	18 930	1 964.1	1966	71 09 - GPP
46	69.22	0.086	0.82	0.57	249	797	88	22 328	1 903.8	1967	86 07 - GPP
85	72.48	0.088	0.11	0.66	160	806	88	18 510	1 917.8	1967	71 09 - GPP
30	19.40	0.138	0.15	0.75	101	801	92	17 830	1 941.6	1968	84 11
77	10.70	0.036	0.22	0.75	101	788	95	18 030	1 975.7	1968	82 10
20	13.56	0.057	0.20	0.77	88	797	98	18 290	1 971.6	1968	85 05
32	15.24	0.057	0.25	0.74	105	801	98	18 230	2 020.8	1969	71 05 - SUSP 85 10
172	61.74	0.073	0.14	0.75	159	796	69	18 170	1 983.6	1978	83 04
56	25.00	0.040	0.19	0.75	105	801	90	17 582	1 927.3	1982	85 03
33	16.48	0.120	0.11	0.85	44	784	92	16 716	1 958.4	1985	86 11
85	1.00	0.180	0.26	0.88	53	888	38	10 172	1 031.8	1981	82 12 - GPP
97	2.53	0.180	0.33	0.91	30	825	27	4 900	799.5	1952	68 07 - GPP
97					21	825	27	1 480	785.5	1965	77 03 - GPP
16	5.55	0.187	0.26	0.96							
81	8.14	0.187	0.26	0.96							
89	5.18	0.180	0.24	0.86	30	825	28	5 050	742.8	1965	85 12 - GPP
65	6.71	0.150	0.50	0.92	35	904	28	2 880	746.2	1975	82 12 - GPP
53	7.62	0.200	0.40	0.92	35	904	28	2 760	698.0	1931	76 12 - GPP
4 094					21	820	48	12 459	1 310.2	1958	85 01 - GPP
3 182	3.09	0.090	0.25	0.93							
912	5.03	0.090	0.25	0.93							
91	4.60	0.085	0.25	0.90	24	829	48	12 065	1 346.6	1968	82 12 - GPP
1 216	4.72	0.100	0.25	0.93	42	834	39	12 417	1 264.4	1970	85 07
65	3.35	0.076	0.20	0.90	43	829	82	13 180	1 325.3	1973	74 03 - GPP
65	3.35	0.100	0.30	0.90	43	829	43	13 310	1 328.3	1974	74 06 - GPP
64	4.60	0.070	0.25	0.93	19	810	39	2 689	1 291.3	1966	81 01 - GPP
64	6.27	0.100	0.34	0.92	21	821	39	8 803	1 254.0	1984	84 09
320	4.89	0.094	0.35	0.92	21	821	39	8 827	1 354.0	1983	86 06
64	12.00	0.100	0.50	0.93	25	826	41	10 328	1 255.0	1980	82 07
192	11.30	0.066	0.35	0.95	49	828	37	6 249	1 220.3	1981	86 12
64	5.52	0.062	0.25	0.93	19	825	39	12 403	1 262.5	1982	83 02
64	7.00	0.110	0.49	0.91	32	832	38	11 702	1 209.3	1983	85 05 - SUSP 85 04
64	5.00	0.120	0.32	0.95	16	829	37	1 917	1 205.5	1985	85 07
64	1.50	0.080	0.25	0.85	57	820	38	12 100	1 342.8	1984	85 08
64	2.91	0.084	0.45	0.86	21	830	39	2 730	1 313.7	1985	86 01 - SUSP 86 09
3 776	3.72	0.149	0.20	0.86	56	825	42	16 130	1 433.8	1958	75 12
65	1.83	0.094	0.20	0.86	56	825	43	15 820	1 438.4	1965	74 12 - GPP
832	3.00	0.140	0.21	0.86	56	825	42	16 000	1 460.9	1956	86 09
64	5.15	0.150	0.41	0.87	48	825	42	15 966	1 470.5	1965	86 08
1 136					56	825	42	15 380	1 492.0	1959	84 06 - GPP
944	3.15	0.130	0.33	0.85							
192	11.95	0.142	0.35	0.85							
384	4.25	0.130	0.29	0.85	64	826	42	15 850	1 501.4	1965	86 06
65	2.74	0.119	0.25	0.86	56	825	43	15 960	1 512.0	1963	74 12 - SUSP 83 09
256	3.60	0.120	0.44	0.86	56	825	53	15 122	1 503.0	1967	86 06 - GPP
64	5.36	0.134	0.20	0.86	56	825	42	15 960	1 516.0	1968	86 09
129	3.96	0.126	0.23	0.86	56	834	52	15 450	1 520.0	1958	84 03 - GPP
65	0.91	0.112	0.20	0.86	56	829	52	15 440	1 469.7	1970	71 03 - SUSP 85 07

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RED EARTH 088-08W5 (CONTINUED)								
GRANITE WASH N	68.3	0.20		13.7		13.7	11.4	2.3
GRANITE WASH O	440.0	0.01		4.4		4.4	4.4	
GRANITE WASH P	132.0	0.15		19.8		19.8	7.0	12.8
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5	
GRANITE WASH R	231.0	<0.01		0.		0.1		0.1
GRANITE WASH S	159.0	<0.01		0.3		0.3	0.3	
GRANITE WASH V	372.0	0.30		112.0		112.0	11.7	100.3
GRANITE WASH CC	55.7	0.10		5.6		5.6	0.8	4.8
GRANITE WASH DD	745.0	0.25		186.0		186.0	11.4	174.6
GRANITE WASH EE	531.0	0.05		26.6		26.6	2.5	24.1
GRANITE WASH HH	779.0	0.20		156.0		156.0	16.2	139.8
GRANITE WASH KK	86.2	0.25		21.6		21.6	0.1	21.5
GRANITE WASH LL	250.0	0.20		50.0		50.0	1.9	48.1
GRANITE WASH NN	410.0	0.20		82.0		82.0	3.8	78.2
GRANITE WASH OO	387.0	0.25		96.8		96.8	7.1	89.7
GRANITE WASH PP	376.0	0.20		75.2		75.2	3.5	71.7
GRANITE WASH QQ	26.1	0.20		5.2		5.2	3.3	1.9
GRANITE WASH RR	526.0	0.20		105.0		105.0	12.9	92.1
GRANITE WASH SS	38.3	0.15		5.7		5.7	0.5	5.2
GRANITE WASH TT	357.0	0.20		71.4		71.4	0.6	70.8
GRANITE WASH UU	54.4	0.15		8.2		8.2	4.3	3.9
GRANITE WASH VV	239.0	0.15		35.9		35.9	4.9	31.0
GRANITE WASH YY	188.0	0.15		28.2		28.2	0.1	28.1
GRANITE WASH AAA	39.5	0.20		7.9		7.9	0.9	7.0
GRANITE WASH DDD	120.0	0.20		24.0		24.0	18.4	5.6
GRANITE WASH EEE	248.0	0.20		49.6		49.6	6.6	43.0
GRANITE WASH FFF	150.0	0.25		37.5		37.5	7.3	30.2
GRANITE WASH GGG	79.4	<0.01		0.1		0.1	0.1	
GRANITE WASH HHH	695.0	0.20		139.0		139.0	13.5	125.5
GRANITE WASH III	1 160.0	0.20		232.0		232.0	20.4	211.6
GRANITE WASH JJJ	291.0	0.25		72.8		72.8	7.2	65.6
GRANITE WASH KKK	284.0	<0.03		6.9		6.9	6.9	
GRANITE WASH LLL	152.0	<0.02		1.7		1.7	1.7	
GRANITE WASH MMM	973.0	0.30		292.0		292.0	185.5	106.5
GRANITE WASH NNN	232.0	0.10		23.2		23.2	0.5	22.7
RED WILLOW 039-16W4								
GLAUCONITIC A	228.0	0.10		22.8		22.8	4.5	18.3
GLAUCONITIC B	105.0	<0.01		0.2		0.2	0.2	
CAMROSE A	119.0	0.25		29.8		29.8	17.1	12.7
CAMROSE B	195.0	0.25		48.8		48.8	9.0	39.8
CAMROSE C	250.0	0.20		50.0		50.0	8.2	41.8
CAMROSE D	67.2	0.20		13.4		13.4		13.4
CAMROSE E	96.1	0.10		9.6		9.6	1.3	8.3
D-3 A	326.0	<0.01		0.3		0.3	0.3	
REDWATER 057-21W4								
UPPER VIKING G	225.0	<0.01		0.1		0.1		0.1
UP-MID-LOW VIKING A	3 710.0	0.10		371.0		371.0	164.4	206.6
LOWER VIKING B	4 000.0	0.10		400.0		400.0	137.8	262.2
LOWER VIKING H	600.0	0.10		60.0		60.0	27.0	33.0
LOWER VIKING O	852.0	0.10		85.2		85.2	2.3	82.9
LOWER VIKING S	1 640.0	0.05		82.0		82.0	5.5	76.5
UPPER MANNVILLE E	270.0	0.10		27.0		27.0	0.3	26.7
BASAL MANNVILLE E	253.0	0.15		38.0		38.0	32.3	5.7
BASAL MANNVILLE F	106.0	0.20		21.2		21.2	11.8	9.4
BASAL MANNVILLE H	1 977.0	0.05		98.9		98.9	29.4	69.5
BASAL MANNVILLE I	266.0	<0.01		1.4		1.4	1.4	
BASAL MANNVILLE J	243.0	0.10		24.3		24.3	11.1	13.2
BASAL MANNVILLE R	188.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE T	245.0	0.01		2.5		2.5	0.2	2.3
ELLERSLIE A	103.0	0.05		5.2		5.2	0.1	5.1
ELLERSLIE B	49.9	0.10		5.0		5.0	0.8	4.2
D-3	207 000.0	0.62		128 000.0		128 000.0	123 293.3	4 706.7
RETLAW 012-18W4								
MANNVILLE A	868.0	0.10		86.8		86.8	23.5	63.3
MANNVILLE II	288.0	0.03		8.6		8.6	2.2	6.4
MANNVILLE KK	139.0	0.10		13.9		13.9	5.4	8.5
MANNVILLE LL	2 480.0	0.10		248.0		248.0	75.9	172.1
MANNVILLE RR	31.8	0.10		3.2		3.2	0.2	3.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
65	1.28	0.120	0.20	0.86	60	834	48	15 620	1 506.6	1970	76 12 - SUSP 83 08
65	5.49	0.180	0.20	0.86	57	829	42	15 250	1 435.6	1973	76 12 - SUSP 76 01
64	2.00	0.150	0.20	0.86	56	832	42	17 740	1 466.0	1979	79 12 - GPP
64	2.00	0.120	0.30	0.86	56	834	72	14 756	1 473.5	1979	83 12 - SUSP 81 09
64	3.50	0.150	0.20	0.86	56	825	56	15 089	1 415.7	1980	81 12 - ABAND 81 01
64	3.20	0.180	0.50	0.86	56	825	48	15 277	1 438.9	1980	81 12 - ABAND 81 01
64	6.10	0.140	0.20	0.80	64	829	42	15 083	1 493.0	1982	83 02
64	1.50	0.110	0.38	0.85	64	831	42	15 148	1 519.3	1982	84 03 - SUSP 85 09
128	6.94	0.130	0.25	0.86	56	823	42	9 550	1 464.9	1983	86 08
64	6.70	0.180	0.20	0.86	48	845	49	15 737	1 443.3	1981	85 12
256	3.37	0.140	0.25	0.86	56	834	42	9 550	1 490.2	1984	86 08
64	1.71	0.157	0.41	0.85	64	852	42	14 331	1 418.8	1984	85 03
64	5.50	0.150	0.45	0.86	56	843	42	9 550	1 493.9	1985	85 05
128	3.70	0.140	0.28	0.86	56	830	42	15 008	1 453.9	1984	86 08
64	6.20	0.210	0.46	0.86	48	825	42	5 300	1 432.3	1985	85 07
128	3.59	0.170	0.44	0.86	50	842	40	5 800	1 398.1	1984	85 08
64	0.58	0.132	0.38	0.86	54	835	36	15 616	1 413.9	1984	86 12
96	5.41	0.166	0.29	0.86	56	828	42	14 077	1 479.3	1985	86 06
64	1.39	0.091	0.45	0.86	47	826	46	15 274	1 489.7	1984	85 11
64	4.50	0.180	0.19	0.85	64	826	42	14 342	1 510.3	1985	85 12
64	1.68	0.107	0.45	0.86	53	836	36	5 900	1 410.4	1985	86 01
128	2.43	0.150	0.41	0.87	48	825	42	14 437	1 445.6	1984	86 08
64	6.00	0.100	0.43	0.86	56	801	42	9 550	1 517.9	1985	86 03
32	2.10	0.122	0.44	0.86	56	830	42	9 550	1 480.6	1985	86 05
64	3.00	0.119	0.39	0.86	56	825	42	16 130	1 495.4	1968	86 12 - GPP
64	4.53	0.140	0.29	0.86	56	834	42	9 550	1 455.9	1985	86 08
64	4.00	0.110	0.38	0.86	56	834	42	9 550	1 486.0	1984	86 08
64	2.20	0.080	0.18	0.86	56	834	42	9 550	1 502.9	1982	86 08
128	5.64	0.140	0.20	0.86	56	834	42	9 550	1 476.5	1983	86 08
192	5.64	0.160	0.23	0.87	48	825	42	9 150	1 472.1	1983	86 08
64	7.40	0.110	0.35	0.86	56	834	42	9 550	1 466.0	1985	86 08
64	4.30	0.150	0.20	0.86	56	834	42	9 550	1 487.7	1980	86 08
64	2.30	0.150	0.20	0.86	56	834	42	9 550	1 491.5	1983	86 08
192	5.40	0.154	0.30	0.87	48	825	42	9 150	1 450.3	1957	86 08
64	4.50	0.117	0.20	0.86	56	825	42	15 960	1 518.1	1969	86 09
64	3.00	0.220	0.35	0.83	71	868	39	8 697	1 132.0	1981	82 04
64	2.00	0.180	0.45	0.83	60	850	47	8 634	1 114.7	1981	82 10 - SUSP 82 11
29	9.56	0.053	0.10	0.90	56	890	48	9 730	1 335.8	1983	85 05
64	7.86	0.055	0.12	0.80	59	879	52	9 449	1 332.3	1983	84 05
64	8.30	0.084	0.30	0.80	50	900	38	9 078	1 230.6	1984	85 03
64	3.75	0.050	0.30	0.80	55	900	38	9 124	1 225.6	1985	86 07
32	8.30	0.060	0.33	0.90	36	903	43	6 800	1 246.0	1985	86 10
64	12.50	0.060	0.15	0.80	35	947	48	10 108	1 340.8	1981	84 12 - ABAND 84 07
64	3.00	0.200	0.35	0.90	36	882	45	5 102	631.6	1976	83 12 - SUSP 81 12
1 635	2.26	0.190	0.40	0.88	28	800	27	5 030	649.9	1976	83 10 - GPP
1 536	2.80	0.180	0.44	0.92	35	865	28	5 772	680.5	1977	83 10
320	1.67	0.220	0.42	0.88	37	847	31	4 605	647.5	1976	83 12
256	3.94	0.180	0.49	0.92	30	872	28	5 594	715.7	1984	85 11
448	4.88	0.160	0.49	0.92	30	844	28	5 841	665.5	1984	86 05
64	3.00	0.260	0.40	0.90	44	885	30	5 996	754.5	1981	81 09 - SUSP 83 12
108	1.83	0.200	0.20	0.80		843	41	6 640	1 022.0	1954	84 12 - GPP
64	0.92	0.250	0.20	0.90	35	860	38	6 590	1 014.3	1976	83 12 - GPP
416	3.55	0.240	0.40	0.93	46	925	30	5 962	802.9	1979	86 10 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	6 171	854.3	1979	83 12 - SUSP 82 11
64	2.50	0.260	0.35	0.90	43	855	30	6 751	946.1	1979	80 08 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 083	866.1	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 122	848.9	1981	82 11 - SUSP 83 12
16	3.00	0.300	0.23	0.93	26	948	34	5 712	832.1	1982	83 07 - ABAND 83 12
64	0.80	0.200	0.47	0.92	32	880	32	600	945.9	1984	85 03
15 199	31.39	0.065	0.25	0.89	33	844	34	7 340	977.8	1948	72 02 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 650	1 108.0	1959	84 12 - GPP
128	3.70	0.100	0.30	0.87	62	876	32	10 880	1 092.6	1978	80 12 - GPP
64	4.30	0.080	0.25	0.84	74	865	36	10 560	1 089.5	1977	78 10
320	5.95	0.210	0.27	0.85	70	891	38	11 690	1 084.3	1979	83 04
64	0.60	0.150	0.35	0.85	66	886	30	11 576	1 074.1	1978	85 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RETLAW 012-18W4 (CONTINUED)								
MANNVILLE SS	429.0	<0.01		1.0		1.0	1.0	
MANNVILLE TT	1 310.0	<0.01		2.8		2.8	2.8	
MANNVILLE B & D	300.0	0.04		12.0		12.0	7.7	4.3
MANNVILLE CCC	290.0	0.05		14.5		14.5	4.0	10.5
MANNVILLE DDD	52.8	<0.01		0.1		0.1	0.1	
MANNVILLE NNN	187.0	0.15		28.0		28.0	7.8	20.2
MANNVILLE RRR	473.0	0.05		23.7		23.7	8.0	15.7
MANNVILLE WWW	60.2	0.10		6.0		6.0	0.2	5.8
MANNVILLE YYY	48.4	<0.01		0.2		0.2	0.2	
MANNVILLE A2A	66.6	<0.02		0.8		0.8	0.8	
RICH 034-21W4								
D-2 A	200.0	0.40		80.0		80.0	24.1	55.9
D-3 A	6 190.0	0.50		3 100.0		3 100.0	568.2	2 531.8
RICHDALE 030-13W4								
UPPER MANNVILLE F	216.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE G	1 394.0	0.10		139.0		139.0	25.0	114.0
UPPER MANNVILLE K	466.0	0.03		14.0		14.0	5.0	9.0
UPPER MANNVILLE L	1 110.0	0.10		111.0		111.0	11.9	99.1
UPPER MANNVILLE S	257.0	0.10		25.7		25.7	2.8	22.9
LOWER MANNVILLE F	116.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	122.0	0.10		12.2		12.2		12.2
RICINUS 034-08W5								
CARDIUM A TOTAL	11 740.0			1 713.0	278.0	1 991.0	1 335.4	655.6
PRIMARY AREA	4 600.0	0.20		920.0		920.0		
GAS FLOOD AREA	7 137.0	<0.12	0.03	792.5	278.0	1 071.0		
CARDIUM B	850.0	0.20		170.0		170.0	96.0	74.0
CARDIUM C	1 270.0	0.05		63.6		63.6	39.3	24.3
CARDIUM D	2 380.0	0.10		238.0		238.0	183.1	54.9
CARDIUM E	822.0	0.05		41.1		41.1	30.2	10.9
CARDIUM F	560.0	0.10		56.0		56.0	46.0	10.0
CARDIUM G	600.0	0.15		90.0		90.0	66.5	23.5
CARDIUM H	1 080.0	0.15		162.0		162.0	78.9	83.1
CARDIUM K	338.0	0.15		50.7		50.7	30.9	19.8
CARDIUM L	1 140.0	0.20		228.0		228.0	212.6	15.4
CARDIUM M	207.0	0.12		24.8		24.8	11.3	13.5
CARDIUM Q	4 850.0	0.10		485.0		485.0	289.5	195.5
CARDIUM S	814.0	0.10		81.4		81.4	34.0	47.4
CARDIUM T	2 260.0	<0.01		7.3		7.3	7.3	
CARDIUM V	3 160.0	0.10		316.0		316.0	79.3	236.7
CARDIUM W	4 290.0	0.10		429.0		429.0	204.7	224.3
CARDIUM X	832.0	0.12		99.8		99.8	72.2	27.6
CARDIUM Y	121.0	0.10		12.1		12.1	9.9	2.2
CARDIUM Z	450.0	0.03		13.5		13.5	9.5	4.0
CARDIUM AA	512.0	0.05		25.6		25.6	8.2	17.4
CARDIUM BB	327.0	0.03		9.8		9.8	1.9	7.9
CARDIUM CC	184.0	0.03		5.5		5.5	1.5	4.0
CARDIUM EE	956.0	0.10		95.6		95.6	33.4	62.2
CARDIUM FF	182.0	0.05		9.1		9.1	2.0	7.1
CARDIUM GG	262.0	0.10		26.2		26.2	7.1	19.1
CARDIUM II	323.0	<0.01		0.1		0.1	0.1	
CARDIUM KK	250.0	0.12		30.0		30.0	19.8	10.2
CARDIUM MM	435.0	0.15		65.3		65.3	3.4	61.9
CARDIUM NN	1 250.0	0.10		125.0		125.0	9.7	115.3
CARDIUM OO	116.0	0.10		11.6		11.6	3.9	7.7
CARDIUM PP	126.0	0.10		12.6		12.6	6.2	6.4
CARDIUM QQ	283.0	0.10		28.3		28.3	6.5	21.8
CARDIUM UU	246.0	0.05		12.3		12.3	8.4	3.9
CARDIUM LL & RR	158.0	0.09		14.2		14.2	6.1	8.1
RIVIERE 055-27W4								
WABAMUN A	424.0	0.15		63.6		63.6	1.6	62.0
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	180.0	0.10		18.0		18.0	1.5	16.5
UPPER MANNVILLE D	102.0	0.10		10.2		10.2	3.7	6.5
LOWER MANNVILLE A	811.0	0.10		81.1		81.1	30.7	50.4
LOWER MANNVILLE B	279.0	0.20		55.8		55.8	15.8	40.0
LOWER MANNVILLE C	104.0	0.10		10.4		10.4	4.8	5.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.00	0.150	0.35	0.86	62	900	37	11 479	1 077.5	1980	84 12 - SUSP 82 09
128	14.88	0.134	0.41	0.87	58	900	37	11 078	1 082.5	1980	86 12 - SUSP 84 12
125	1.83	0.221	0.30	0.85	62	876	38	11 780	1 091.2	1959	84 12 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 838	1 108.8	1981	84 12 - GPP
64	0.80	0.160	0.25	0.86	64	885	30	11 943	1 078.0	1980	83 12 - SUSP 83 06
65	3.00	0.170	0.35	0.87	62	870	33	11 366	1 097.4	1980	83 12
192	2.07	0.206	0.32	0.85	73	896	33	11 128	1 097.2	1982	85 09
64	1.10	0.180	0.46	0.88	56	899	34	11 373	1 097.3	1983	83 06
16	2.00	0.220	0.20	0.86	62	887	32	10 617	1 097.7	1983	84 03 - ABAND 84 02
32	1.70	0.180	0.20	0.85	73	896	33	10 574	1 091.7	1984	85 06 - ABAND 84 11
50	7.00	0.080	0.12	0.81	74	865	55	12 868	1 683.9	1983	84 12
64	103.00	0.120	0.10	0.87	64	857	65	14 327	1 796.3	1982	84 11
64	4.30	0.160	0.46	0.91	37	882	37	9 147	1 120.5	1981	85 12 - SUSP 84 06
320	5.29	0.190	0.49	0.85	63	852	39	8 135	1 112.5	1979	86 11
395	1.01	0.210	0.33	0.83	80	855	38	9 119	1 117.2	1971	79 12 - SUSP 83 01
128	7.65	0.230	0.42	0.85	60	847	34	9 190	1 109.9	1983	84 09
64	6.24	0.180	0.58	0.85	63	824	39	8 135	1 115.9	1985	86 11
64	1.83	0.170	0.35	0.89	44	865	35	9 410	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	8 700	1 145.2	1981	83 04
1 489					226	806	83	27 280	2 748.5	1969	86 08
465	12.75	0.140	0.12	0.63							
1 024	8.98	0.140	0.12	0.63							
94	11.38	0.170	0.27	0.64	250	815	82	27 421	2 732.0	1969	86 12 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 110	2 467.0	1969	75 08
420	11.73	0.085	0.20	0.71	158	815	84	23 890	2 764.5	1969	71 02
444	3.05	0.134	0.13	0.52	323	801	78	26 930	2 650.5	1969	79 12 - GPP
32	20.28	0.135	0.12	0.73	130	788	54	13 900	1 810.5	1969	86 10 - GPP
92	10.10	0.110	0.14	0.68	144	811	71	20 860	2 310.1	1969	83 03
101	18.80	0.098	0.18	0.71	159	806	60	18 930	2 024.8	1969	83 03
65	7.80	0.127	0.12	0.60	213	811	78	28 440	2 679.2	1971	85 12
64	17.70	0.153	0.10	0.73	119	815	71	13 973	2 320.9	1970	86 12
210	2.44	0.075	0.23	0.70	160	811	63	18 720	2 061.7	1971	76 12
705	8.82	0.120	0.11	0.73	113	815	75	15 896	2 511.2	1973	86 11 - GPP
65	15.51	0.150	0.10	0.60	230	806	70	15 501	2 325.9	1974	75 02
130	16.15	0.160	0.10	0.75	108	806	63	12 411	1 915.4	1974	83 12 - SUSP 81 11
256	14.45	0.130	0.10	0.73	131	811	49	13 290	2 105.7	1976	79 05
256	17.00	0.150	0.10	0.73	131	820	49	13 980	2 192.8	1976	79 05
213	6.43	0.100	0.19	0.75	108	806	63	13 618	2 157.1	1976	86 12
65	5.49	0.090	0.40	0.63	186	829	66	25 930	2 783.1	1977	78 01 - GPP
128	4.88	0.120	0.20	0.75	113	825	60	12 360	2 572.2	1977	85 12 - GPP
64	16.34	0.090	0.20	0.68	167	827	63	21 130	2 594.2	1977	82 12 - SUSP 86 06
64	8.94	0.100	0.16	0.68	151	828	60	17 880	2 434.2	1977	82 11 - GPP
64	5.80	0.094	0.12	0.60	172	825	59	18 130	2 673.5	1978	82 12 - GPP
192	11.07	0.080	0.23	0.73	115	802	58	14 266	2 155.9	1981	85 03
64	5.40	0.090	0.20	0.73	113	811	64	15 000	2 454.5	1981	84 12 - GPP
64	7.00	0.100	0.20	0.73	130	810	66	15 868	2 518.5	1981	82 04 - GPP
64	9.00	0.090	0.20	0.78	91	806	68	15 343	2 572.1	1981	84 07 - SUSP 83 02
97	4.32	0.135	0.31	0.64	250	816	82	27 022	2 745.6	1969	83 10 - GPP
64	12.00	0.090	0.15	0.74	131	785	72	27 852	2 762.3	1983	84 09
64	29.40	0.115	0.25	0.77	91	806	68	11 756	2 237.7	1984	85 06
64	4.70	0.080	0.34	0.73	91	806	68	11 756	2 204.7	1984	85 06
64	5.02	0.069	0.26	0.77	108	814	64	11 314	2 324.6	1985	85 10
64	9.20	0.080	0.22	0.77	108	814	64	11 314	2 231.4	1985	85 10
64	5.60	0.110	0.14	0.73	119	815	71	16 324	2 512.2	1969	86 11
64	4.81	0.085	0.15	0.71	160	805	60	19 075	2 154.3	1982	86 01
64	7.50	0.200	0.48	0.85	54	894	41	9 000	1 236.9	1985	85 10
64	3.00	0.180	0.35	0.80	54	885	46	10 305	1 482.8	1982	83 01
64	1.70	0.180	0.35	0.80	90	884	50	15 000	1 555.9	1985	86 03
128	6.12	0.190	0.31	0.79	90	879	50	10 711	1 518.3	1979	81 11
64	4.80	0.180	0.37	0.80	60	857	46	10 759	1 577.0	1981	84 07
64	2.00	0.170	0.40	0.80	72	855	46	10 615	1 557.6	1982	82 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ROCKYFORD 026-23W4 (CONTINUED)								
LOWER MANNVILLE F	81.1	0.10		8.1		8.1	1.1	7.0
ROSEBUD 027-21W4								
BLAIRMORE	420.0	0.16		67.2		67.2	62.0	5.2
ROWLEY 032-20W4								
VIKING C	123.0	0.10		12.3		12.3	2.0	10.3
LOWER MANNVILLE A	944.0	<0.01		3.9		3.9	3.9	
LOWER MANNVILLE C	364.0	0.10		36.4		36.4	11.9	24.5
PEKISKO A	8 760.0	0.03		262.0		262.0	167.0	95.0
PEKISKO B	61.9	<0.01		0.1		0.1	0.1	
ROYAL 053-15W4								
MIDDLE VIKING D	41.5	0.10		4.2		4.2	0.4	3.8
MIDDLE VIKING E	110.0	0.10		11.0		11.0	0.2	10.8
RYCROFT 077-05W6								
GETHING B	144.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A TOTAL	2 500.0			250.0	718.0	968.0	127.6	840.4
PRIMARY AREA	450.0	0.10		45.0		45.0		
WATER FLOOD AREA	2 050.0	0.10	0.35	205.0	718.0	923.0		
CHARLIE LAKE C	229.0	0.10		22.9		22.9	5.0	17.9
CHARLIE LAKE I	71.7	0.10		7.2		7.2	1.9	5.3
CHARLIE LAKE J	79.6	0.15		11.9		11.9	3.5	8.4
HALFWAY A	3 707.0	0.15		556.0		556.0	64.3	491.7
HALFWAY B	541.0	0.15		81.2		81.2	15.1	66.1
HALFWAY C	663.0	0.15		99.5		99.5	8.5	91.0
HALFWAY D	271.0	0.10		27.1		27.1	3.5	23.6
SADDLE HILLS 076-08W6								
CHARLIE LAKE A	349.0	0.10		34.9		34.9	14.8	20.1
CHARLIE LAKE B	169.0	0.10		16.9		16.9		16.9
CHARLIE LAKE C	123.0	0.10		12.3		12.3		12.3
CHARLIE LAKE D	31.2	0.10		3.1		3.1	0.3	2.8
SAKWATAMAU 063-14W5								
GETHING A	1 350.0	0.10		135.0		135.0	51.8	83.2
GETHING B	69.3	<0.01		0.1		0.1	0.1	
BELLOY A	736.0	0.15		110.0		110.0	14.8	95.2
SAMSON 044-24W4								
BLAIRMORE A	1 460.0	<0.03		36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A	2 200.0	0.08		176.0	ERSO	176.0	89.1	86.9
SLAVE POINT J	10 290.0	0.25		2 573.0		2 573.0	112.8	2 460.2
SLAVE POINT K	337.0	0.25		84.3		84.3	3.6	80.7
SEAL 082-14W5								
SLAVE POINT A	1 400.0	0.40		560.0		560.0	284.2	275.8
SLAVE POINT B	142.0	0.30		42.6		42.6	3.0	39.6
SEIU LAKE 025-18W4								
LOWER MANNVILLE C	117.0	<0.05		5.8		5.8	5.8	
LOWER MANNVILLE G	776.0	0.05		38.8		38.8	6.1	32.7
SENEX 092-04W5								
KEG RIVER A	1 570.0	<0.03		33.3		33.3	33.3	
KEG RIVER C	440.0	0.25		110.0		110.0	5.6	104.4
SHANE 077-02W6								
KISKATINAW SANDSTONE A	67.2	0.10		6.7		6.7	4.5	2.2
SHEKILIE 118-08W6								
MUSKEG A	95.3	0.20		19.1		19.1	16.3	2.8
MUSKEG C	233.0	<0.03		5.9		5.9	5.9	
MUSKEG D	280.0	<0.01		0.7		0.7	0.7	
MUSKEG E	213.0	<0.01		0.8		0.8	0.8	
MUSKEG F	55.0	0.20		11.0		11.0	7.1	3.9
MUSKEG G	120.0	0.20		24.0		24.0	8.5	15.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.50	0.160	0.40	0.88	46	891	41	10 551	1 535.9	1984	85 10
312	1.25	0.173	0.26	0.84	44	876	49	10 000	1 415.2	1956	86 12 - GPP
128	1.43	0.140	0.49	0.94	20	825	38	2 500	1 201.2	1985	86 06
65	17.37	0.140	0.25	0.80	51	870	52	9 480	1 417.9	1964	75 12 - ABAND 75 02
65	6.10	0.150	0.25	0.82	66	870	54	7 960	1 360.3	1977	78 02
1 812	11.64	0.069	0.30	0.86	70	870	50	10 070	1 365.5	1960	73 06 - GPP
64	1.50	0.100	0.25	0.86	43	870	49	7 677	1 363.3	1981	82 12 - SUSP 82 09
64	0.80	0.180	0.50	0.90	40	840	30	4 052	650.9	1982	83 03 - SUSP 86 03
128	1.14	0.210	0.45	0.80	40	848	33	4 525	615.9	1980	84 08
64	3.50	0.120	0.37	0.85	60	811	50	10 649	1 234.5	1983	86 12 - SUSP 84 09
1 200					62	889	54	12 774	1 376.3	1981	86 06
232	1.92	0.139	0.13	0.83							
968	2.10	0.139	0.13	0.83							
128	1.80	0.170	0.25	0.78	90	865	37	11 125	1 408.3	1982	86 01
64	0.87	0.209	0.22	0.79	90	898	40	13 000	1 394.3	1985	86 01
64	1.50	0.150	0.35	0.85	55	826	54	6 200	1 460.8	1983	86 03
817	4.74	0.166	0.27	0.79	93	835	55	13 101	1 416.7	1985	86 12
192	4.95	0.150	0.52	0.79	93	835	55	12 149	1 415.6	1985	86 03
256	4.10	0.125	0.36	0.79	93	832	55	12 149	1 441.1	1985	86 09
128	3.09	0.138	0.38	0.80	80	835	45	8 600	1 384.1	1982	86 10
192	1.44	0.200	0.19	0.78	91	845	72	15 550	1 749.6	1984	85 07
64	2.40	0.170	0.17	0.78	91	845	72	15 530	1 757.4	1984	85 07
64	2.20	0.140	0.20	0.78	91	845	72	15 205	1 727.1	1982	85 07
64	0.59	0.129	0.20	0.80	70	835	70	14 323	1 724.4	1982	84 05
938	1.37	0.190	0.70	0.79	142	892	61	13 170	1 725.0	1977	85 10
65	1.43	0.120	0.25	0.83	142	892	59	13 090	1 664.5	1976	82 12 - SUSP 76 10
320	2.81	0.170	0.42	0.83	65	800	70	8 500	1 795.3	1984	86 10
324	3.99	0.186	0.25	0.81	50	887	60	10 830	1 465.5	1953	83 12 - SUSP 80 05
480	9.04	0.075	0.21	0.87	57	822	38	13 169	1 597.7	1983	86 07
2 643	10.12	0.068	0.35	0.87	57	822	38	13 521	1 605.9	1984	86 10
64	14.61	0.061	0.32	0.87	46	828	39	4 950	1 629.5	1985	85 12
562	4.50	0.092	0.30	0.86	42	830	68	18 287	1 809.4	1974	83 12
128	5.48	0.046	0.50	0.88	39	830	54	7 910	1 829.8	1983	86 05
32	3.05	0.200	0.30	0.85	74	844	47	10 340	1 377.1	1960	69 05 - ABAND 69 10
128	6.29	0.180	0.37	0.85	66	857	38	9 270	1 366.0	1979	82 12
258	15.54	0.065	0.30	0.86	55	829	31	13 410	1 266.2	1969	78 04 - SUSP 81 03
128	7.27	0.079	0.32	0.88	42	828	54	4 950	1 284.0	1985	86 07
64	1.25	0.160	0.30	0.75	128	815	70	14 360	1 473.9	1977	77 12 - GPP
31	5.79	0.089	0.11	0.67	155	811	83	17 730	1 746.8	1971	75 03 - SUSP 84 10
64	7.60	0.084	0.15	0.67	135	811	83	13 593	1 664.7	1981	86 12 - SUSP 85 01
64	10.50	0.075	0.17	0.67	155	810	83	12 155	1 739.0	1983	86 12 - SUSP 84 07
64	7.80	0.070	0.13	0.70	155	810	83	17 107	1 701.4	1983	86 12 - SUSP 84 10
19	8.40	0.060	0.14	0.70	145	826	75	18 177	1 767.2	1984	86 01
19	11.40	0.092	0.13	0.70	120	834	76	13 250	1 788.7	1984	86 01

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SHEKILIE 118-08W6 (CONTINUED)								
MUSKEG H	280.0	0.15		42.0		42.0	2.7	39.3
KEG RIVER A	504.0	0.30		151.0		151.0	126.3	24.7
KEG RIVER B	445.0	<0.15		67.4		67.4	67.4	
KEG RIVER C	636.0	0.40		254.0		254.0	130.8	123.2
KEG RIVER D	477.0	0.40		191.0		191.0	137.0	54.0
KEG RIVER E	159.0	<0.07		9.6		9.6	9.6	
KEG RIVER F	238.0	0.30		71.4		71.4	45.0	26.4
KEG RIVER G	111.0	0.35		38.9		38.9	33.0	5.9
KEG RIVER H	121.0	0.35		42.4		42.4	21.6	20.8
KEG RIVER I	229.0	<0.05		10.7		10.7	10.7	
KEG RIVER J	388.0	0.35		136.0		136.0	79.4	56.6
KEG RIVER K	272.0	0.15		40.8		40.8	25.1	15.7
KEG RIVER L	75.0	0.25		18.8		18.8	11.4	7.4
KEG RIVER M	700.0	<0.04		26.9		26.9	26.9	
KEG RIVER N	50.0	0.35		17.5		17.5	7.3	10.2
KEG RIVER O	525.0	0.15		78.8		78.8	10.1	68.7
KEG RIVER P	754.0	<0.03		22.5		22.5	22.5	
KEG RIVER Q	500.0	0.30		150.0		150.0	46.7	103.3
KEG RIVER R	350.0	0.15		52.5		52.5	17.3	35.2
KEG RIVER S	41.2	0.30		12.4		12.4	7.5	4.9
KEG RIVER T	450.0	0.20		90.0		90.0	38.9	51.1
KEG RIVER U	250.0	0.35		88.0		88.0	55.2	32.8
KEG RIVER V	151.0	0.40		60.4		60.4	35.6	24.8
KEG RIVER W	661.0	0.15		99.0		99.0	54.1	44.9
KEG RIVER X	94.1	0.30		28.2		28.2	14.1	14.1
KEG RIVER Y	650.0	0.40		260.0		260.0	115.7	144.3
KEG RIVER Z	79.4	0.30		23.8		23.8	23.3	0.5
KEG RIVER AA	282.0	0.20		56.4		56.4	12.3	44.1
KEG RIVER BB	139.0	0.20		27.8		27.8	7.1	20.7
KEG RIVER CC	270.0	0.35		94.5		94.5	38.8	55.7
KEG RIVER EE	200.0	0.35		70.0		70.0	25.6	44.4
KEG RIVER FF	2 680.0	<0.01		1.7		1.7	1.7	
KEG RIVER GG	320.0	0.30		96.0		96.0	29.4	66.6
KEG RIVER HH	583.0	<0.01		1.9		1.9	1.9	
KEG RIVER II	205.0	0.20		41.0		41.0	3.7	37.3
KEG RIVER JJ	98.5	0.30		30.0		30.0	5.1	24.9
KEG RIVER KK	759.0	0.20		152.0		152.0	10.6	141.4
KEG RIVER LL	190.0	0.30		57.0		57.0	20.6	36.4
KEG RIVER MM	153.0	0.30		45.9		45.9	18.8	27.1
KEG RIVER NN	200.0	0.40		80.0		80.0	28.8	51.2
KEG RIVER OO	380.0	0.30		114.0		114.0	31.5	82.5
KEG RIVER PP	191.0	0.30		57.3		57.3	15.0	42.3
KEG RIVER QQ	795.0	0.40		318.0		318.0	242.3	75.7
KEG RIVER RR	210.0	0.35		73.5		73.5	32.8	40.7
KEG RIVER SS	190.0	0.30		57.0		57.0	6.0	51.0
KEG RIVER TT	530.0	0.30		159.0		159.0	33.8	125.2
KEG RIVER UU	400.0	0.10		40.0		40.0	21.0	19.0
KEG RIVER VV	250.0	0.30		75.0		75.0	15.9	59.1
KEG RIVER WW	306.0	0.25		76.5		76.5	18.4	58.1
KEG RIVER XX	45.0	0.30		13.5		13.5	4.4	9.1
KEG RIVER YY	300.0	0.30		90.0		90.0	14.6	75.4
KEG RIVER ZZ	700.0	0.30		210.0		210.0	11.0	199.0
KEG RIVER AAA	500.0	0.30		150.0		150.0	41.2	108.8
KEG RIVER BBB	450.0	0.15		67.5		67.5	4.3	63.2
KEG RIVER CCC	500.0	0.30		150.0		150.0	16.9	133.1
KEG RIVER DDD	300.0	0.25		75.0		75.0	9.4	65.6
KEG RIVER EEE	500.0	0.25		125.0		125.0	14.8	110.2
KEG RIVER FFF	1 300.0	<0.01		0.9		0.9	0.9	
KEG RIVER GGG	600.0	0.20		120.0		120.0	7.0	113.0
KEG RIVER HHH	200.0	0.25		50.0		50.0	3.7	46.3
KEG RIVER JJJ	825.0	0.25		206.0		206.0		206.0
SHOULDICE 020-23W4								
BOW ISLAND A	78.6	<0.01		0.3		0.3	0.3	
GLAUCONITIC A	204.0	0.10		20.4		20.4	11.6	8.8
GLAUCONITIC B	29.7	0.10		3.0		3.0	0.2	2.8
GLAUCONITIC D	1 090.0	0.10		109.0		109.0	11.9	97.1
GLAUCONITIC E	265.0	0.25		66.3		66.3	30.8	35.5
GLAUCONITIC G	2 311.0	0.15		347.0		347.0	13.6	333.4
ELLERSLIE A	61.2	0.10		6.1		6.1	1.9	4.2
ELLERSLIE B	82.9	0.10		8.3		8.3	0.1	8.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	°C	kPa	m		
64	8.00	0.080	0.10	0.76	93	876	70	14 100	1 802.3	1983	86 09
13	67.06	0.094	0.12	0.70	132	839	83	17 800	1 699.3	1970	86 12 - GPP
12	60.62	0.100	0.08	0.68	151	820	81	17 510	1 756.6	1971	82 12 - SUSP 79 02
26	40.75	0.100	0.10	0.68	170	839	83	18 310	1 727.6	1971	71 12 - GPP
15	94.49	0.065	0.15	0.63	176	820	79	18 600	1 728.2	1971	71 12 - SUSP 86 05
5	56.08	0.095	0.10	0.63	191	806	79	19 910	1 754.7	1972	74 12 - SUSP 74 11
5	113.39	0.073	0.14	0.69	138	825	84	18 580	1 748.0	1972	82 12
4	38.16	0.107	0.10	0.68	106	834	83	18 685	1 802.0	1974	75 10
9	30.44	0.070	0.10	0.70	132	828	80	15 300	1 777.0	1979	82 12
16	28.40	0.090	0.20	0.70	120	834	83	17 940	1 715.8	1979	82 12 - SUSP 84 12
64	15.00	0.070	0.15	0.68	150	825	74	15 300	1 765.5	1979	80 05 - GPP
25	24.40	0.075	0.15	0.70	132	819	83	16 304	1 722.0	1980	86 12 - GPP
17	8.60	0.080	0.20	0.80	138	823	86	16 104	1 825.3	1980	82 01
10	94.00	0.100	0.15	0.80	132	834	83	16 629	1 789.5	1980	86 12 - SUSP 85 05
12	7.00	0.090	0.15	0.78	142	814	81	14 801	1 747.6	1980	82 01 - SUSP 84 10
11	90.00	0.080	0.15	0.80	126	825	85	17 367	1 777.0	1980	84 12 - SUSP 86 05
16	99.02	0.080	0.15	0.70	124	825	86	16 003	1 768.8	1980	86 12 - SUSP 84 10
11	64.73	0.120	0.14	0.68	122	835	93	14 879	1 714.0	1981	83 12 - GPP
10	75.70	0.080	0.85	0.68	143	820	50	18 292	1 750.5	1981	83 06 - GPP
7	28.00	0.040	0.25	0.70	115	835	87	16 094	1 832.0	1981	83 12 - SUSP 84 08
12	68.90	0.080	0.15	0.80	140	826	86	18 615	1 759.3	1980	86 12 - GPP
11	39.70	0.100	0.17	0.69	140	826	86	19 919	1 773.0	1980	82 01
16	17.60	0.090	0.15	0.70	150	825	83	17 730	1 685.5	1979	86 12 - GPP
64	31.90	0.070	0.32	0.68	176	845	83	20 720	1 746.0	1980	84 12
11	28.30	0.060	0.30	0.72	95	845	82	17 548	1 747.4	1981	83 12 - GPP
29	85.60	0.050	0.20	0.65	151	810	82	20 400	1 795.7	1980	84 09
10	9.80	0.120	0.10	0.75	135	830	68	17 403	1 816.0	1969	83 12 - SUSP 84 02
64	15.00	0.060	0.30	0.70	138	833	69	15 440	1 817.5	1981	83 12 - SUSP 86 06
9	51.00	0.050	0.15	0.71	113	825	82	15 598	1 712.5	1981	85 12 - GPP
9	61.50	0.080	0.15	0.70	138	826	80	17 066	1 721.8	1982	84 05
11	41.80	0.080	0.20	0.68	130	835	95	15 949	1 828.2	1982	84 06
64	55.90	0.120	0.12	0.71	132	834	83	14 257	1 765.6	1983	86 12 - SUSP 84 09
16	38.00	0.090	0.14	0.68	113	834	74	16 928	1 814.0	1983	85 12
64	15.30	0.100	0.15	0.70	138	826	80	18 844	1 728.4	1983	86 12 - SUSP 85 04
16	31.50	0.070	0.17	0.70	138	826	80	16 420	1 741.3	1983	85 12
15	11.00	0.090	0.16	0.79	180	831	63	16 075	1 760.9	1983	85 10 - SUSP 86 05
64	24.50	0.080	0.11	0.68	146	821	83	11 360	1 818.7	1984	84 08
8	46.50	0.085	0.09	0.66	133	818	70	19 936	1 783.0	1984	85 08
16	32.20	0.050	0.15	0.70	130	838	49	15 172	1 760.3	1983	85 12 - GPP
12	32.50	0.090	0.10	0.63	111	824	76	19 805	1 763.5	1983	84 11
35	36.17	0.050	0.13	0.69	133	816	89	13 221	1 789.7	1983	84 11
64	4.50	0.100	0.08	0.72	100	848	79	14 766	1 832.3	1983	83 12
30	55.50	0.073	0.10	0.72	119	845	70	17 102	1 742.0	1971	77 05
4	42.00	0.180	0.10	0.77	112	870	82	19 097	1 840.0	1983	85 07
5	71.00	0.080	0.15	0.77	96	845	71	18 030	1 780.0	1983	85 01 - SUSP 86 04
12	63.30	0.120	0.17	0.70	130	830	49	16 655	1 783.8	1983	85 06
8	93.80	0.090	0.80	0.74	146	827	83	13 891	1 831.5	1983	85 06 - GPP
17	24.80	0.100	0.14	0.69	130	824	98	19 274	1 824.8	1984	85 11
13	46.92	0.086	0.19	0.72	138	826	80	15 663	1 671.9	1984	86 12
6	33.08	0.041	0.21	0.70	138	826	80	15 582	1 735.1	1984	85 07
19	20.30	0.120	0.10	0.72	120	835	56	13 000	1 760.0	1984	86 04 - GPP
18	56.40	0.110	0.13	0.72	105	803	85	11 000	1 776.3	1985	86 05 - GPP
11	80.20	0.095	0.11	0.67	86	808	91	9 600	1 756.6	1985	86 10
15	46.90	0.100	0.20	0.80	74	845	82	11 418	1 786.8	1985	86 04 - GPP
15	101.10	0.054	0.15	0.72	118	840	60	13 250	1 810.5	1985	86 04
7	98.80	0.070	0.14	0.72	113	840	64	12 750	1 838.0	1985	86 05 - GPP
11	66.50	0.113	0.16	0.72	114	840	61	12 500	1 862.0	1985	86 06
64	45.30	0.075	0.12	0.68	150	820	82	15 514	1 789.2	1985	85 08 - SUSP 85 05
10	87.00	0.095	0.10	0.80	74	834	82	11 418	1 804.2	1985	86 07
8	65.10	0.080	0.20	0.60	195	820	60	17 500	1 787.8	1985	86 05 - GPP
64	34.50	0.066	0.18	0.69	130	808	98	15 375	1 776.3	1985	86 09
64	1.50	0.150	0.40	0.91	32	847	40	7 729	1 393.0	1984	84 09 - ABAND 84 03
64	3.60	0.160	0.30	0.79	64	845	37	14 000	1 669.2	1981	82 07
64	0.60	0.140	0.35	0.85	59	871	42	13 503	1 623.5	1982	83 02 - SUSP 83 02
64	9.70	0.250	0.12	0.80	92	842	39	12 411	1 659.2	1985	86 04
64	3.63	0.190	0.25	0.80	92	849	39	13 580	1 645.0	1976	84 10
192	10.47	0.210	0.25	0.73	120	824	46	13 321	1 638.1	1986	86 10
64	1.60	0.120	0.40	0.83	46	838	40	13 291	1 658.0	1981	83 02
64	1.50	0.160	0.35	0.83	66	859	44	14 490	1 717.3	1981	82 09 - SUSP 83 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SHOULDICE 020-23W4 (CONTINUED)								
ELLERSLIE C	370.0	0.15		55.5		55.5	26.5	29.0
ELLERSLIE E	172.0	<0.01		0.7		0.7	0.7	
SIMONETTE 063-26W5								
DUNVEGAN A	1 590.0	0.10		159.0		159.0	78.7	80.3
DUNVEGAN B	109.0	<0.01		0.2		0.2	0.2	
DUNVEGAN F	73.0	0.10		7.3		7.3	0.5	6.8
WABAMUN C	1 510.0	0.05		75.5		75.5	29.3	46.2
D-3	18 000.0	0.34		6 100.0	ERSO	6 100.0	5 654.1	445.9
D-3 B	526.0	0.30		158.0		158.0	25.3	132.7
D-3 C	2 136.0	0.30		641.0		641.0	7.3	633.7
SINCLAIR 075-12W6								
DOE CREEK B	1 600.0	0.10		160.0		160.0	4.1	155.9
DOE CREEK C	129.0	0.10		12.9		12.9	1.9	11.0
SKARO 057-13W4								
COOKING LAKE	175.0	0.15		26.3		26.3	24.7	1.6
SLAVE 084-14W5								
SLAVE POINT H	5 080.0	0.30		1 520.0		1 520.0	316.9	1 203.1
SLAVE POINT L	1 360.0	0.30		408.0		408.0	56.0	352.0
SLAVE POINT N	313.0	0.30		93.9		93.9	10.8	83.1
SLAVE POINT O	339.0	0.25		84.8		84.8	4.1	80.7
SLAVE POINT P	31.3	<0.01		0.1		0.1	0.1	
SLAVE POINT Q	125.0	0.30		37.5		37.5	5.5	32.0
SLAVE POINT R	103.0	0.25		25.8		25.8	0.9	24.9
SLAVE POINT S	3 180.0	0.30		954.0		954.0	280.7	673.3
SLAVE POINT T	171.0	0.25		42.8		42.8	0.6	42.2
SLAVE POINT U	141.0	0.25		35.3		35.3	1.6	33.7
GRANITE WASH B	45.5	0.20		9.1		9.1	0.9	8.2
SNIPE LAKE 071-18W5								
BEAVERHILL LAKE TOTAL	31 100.0			3 726.0	8 680.0	12 410.0	8 135.0	4 275.0
PRIMARY AREA	52.0	0.12		6.2		6.2		
WATER FLOOD AREA	31 000.0	0.12	0.28	3 720.0	8 680.0	12 400.0		
SOUNDING 030-09W4								
UPPER MANNVILLE D	215.0	0.05		10.8		10.8	1.7	9.1
SOUSA 113-04W6								
SULPHUR POINT A	319.0	0.15		47.9		47.9	0.3	47.6
KEG RIVER A	284.0	<0.04		11.2		11.2	11.2	
KEG RIVER B	140.0	0.10		14.0		14.0	2.9	11.1
KEG RIVER C	308.0	0.25		77.0		77.0	7.7	69.3
KEG RIVER D	1 390.0	<0.06		69.6		69.6	69.6	
KEG RIVER E	250.0	0.20		50.0		50.0	9.3	40.7
KEG RIVER F	891.0	0.10		89.1		89.1	63.1	26.0
KEG RIVER G	926.0	<0.01		1.9		1.9	1.9	
KEG RIVER H	396.0	0.12		47.5		47.5	39.9	7.6
KEG RIVER I	62.3	<0.04		2.3		2.3	2.3	
KEG RIVER J	256.0	0.15		38.4		38.4	0.3	38.1
KEG RIVER K	108.0	0.25		27.0		27.0		27.0
SPIRIT RIVER 078-07W6								
DOE CREEK A	217.0	0.10		21.7		21.7		21.7
DOE CREEK B	170.0	0.10		17.0		17.0	0.1	16.9
GETHING A	69.4	<0.01		0.1		0.1	0.1	
BALDONNEL A	171.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE D	240.0	0.10		24.0		24.0	7.7	16.3
CHARLIE LAKE E	398.0	0.10		39.8		39.8	24.2	15.6
CHARLIE LAKE F	54.8	0.10		5.5		5.5	0.3	5.2
CHARLIE LAKE J	36.3	0.25		9.1		9.1	7.4	1.7
CHARLIE LAKE K TOTAL	814.0			122.4	101.0	223.0	18.4	204.6
PRIMARY AREA	309.0	0.15		46.4		46.4		
WATER FLOOD AREA	505.0	0.15	0.20	76.0	101.0	177.0		
CHARLIE LAKE GH&I	135.0	0.10		13.5		13.5	3.6	9.9
HALFWAY F TOTAL	6 680.0			1 136.0	1 161.0	2 297.0	272.8	2 024.2
PRIMARY AREA	227.1	0.17		38.6		38.6		
WATER FLOOD AREA	6 453.0	0.17	0.18	1 097.0	1 161.0	2 258.0		

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
439	1.45	0.143	0.51	0.83	96	854	40	13 876	1 584.0	1981	85 04
64	4.50	0.120	0.40	0.83	66	873	51	14 414	1 679.8	1982	86 12 - ABAND 85 06
320	7.17	0.130	0.35	0.82	77	822	61	13 337	1 991.4	1980	85 11
64	3.30	0.098	0.36	0.82	70	822	61	13 565	1 927.0	1980	83 12 - ABAND 82 11
64	2.80	0.087	0.35	0.72	97	825	61	13 224	1 884.0	1984	85 09
64	44.50	0.100	0.17	0.64	172	825	96	32 890	3 351.0	1964	85 09 - GPP
3 136	29.00	0.062	0.16	0.38	552	792	105	35 670	3 533.5	1958	85 09
64	28.60	0.090	0.16	0.38	552	793	95	32 000	3 547.0	1982	83 04
64	126.20	0.080	0.13	0.38	555	788	105	36 074	3 572.7	1985	86 11
320	4.09	0.210	0.38	0.94	38	837	28	4 468	788.8	1984	86 06
64	2.80	0.150	0.40	0.80	84	861	32	6 674	1 085.0	1978	86 02
100	5.12	0.050	0.25	0.91	28	860	41	8 480	1 119.2	1952	81 12 - GPP
832	10.08	0.085	0.19	0.88	32	827	50	17 200	1 744.5	1982	85 08
320	5.33	0.108	0.17	0.89	32	827	50	16 839	1 670.7	1984	86 04
64	8.70	0.085	0.29	0.93	12	825	56	2 317	1 790.8	1985	85 11
64	8.00	0.095	0.25	0.93	44	820	55	17 315	1 800.8	1984	86 02
64	1.31	0.060	0.33	0.93	12	825	56	2 317	1 803.1	1985	86 03 - SUSP 86 01
128	3.18	0.057	0.42	0.93	12	825	56	2 317	1 791.9	1985	86 03
64	6.05	0.060	0.48	0.85	12	830	56	2 317	1 773.2	1985	86 03
910	6.48	0.083	0.27	0.89	32	827	50	17 367	1 704.7	1984	86 06
64	7.78	0.055	0.29	0.88	39	847	54	7 910	1 785.8	1985	86 05
64	5.68	0.062	0.29	0.88	39	840	54	7 910	1 797.5	1985	86 05
64	2.00	0.070	0.41	0.86	40	825	68	5 050	1 782.5	1985	86 03
7 237					59	839	88	26 340	2 601.2	1962	86 07
64	2.00	0.067	0.27	0.83							
7 173	10.49	0.068	0.27	0.83							
64	2.10	0.250	0.29	0.90	39	873	33	6 660	919.8	1971	85 06 - GPP
64	17.83	0.046	0.25	0.81	74	876	72	14 070	1 414.6	1969	71 05 - SUSP 85 03
22	33.22	0.060	0.20	0.80	80	839	74	15 220	1 540.5	1969	84 12 - ABAND 84 01
11	55.84	0.037	0.30	0.88	30	839	70	15 000	1 494.5	1967	86 06
16	84.70	0.037	0.31	0.89	32	834	75	14 940	1 478.0	1968	84 08
74	67.00	0.045	0.28	0.87	39	844	80	15 200	1 508.8	1969	77 03 - SUSP 84 08
16	29.26	0.075	0.15	0.83	62	849	71	14 930	1 495.3	1970	85 12
47	50.35	0.054	0.19	0.87	39	844	80	15 440	1 522.6	1970	84 12 - GPP
42	53.28	0.060	0.20	0.87	39	844	80	15 580	1 543.5	1970	85 07 - SUSP 84 04
25	62.88	0.040	0.29	0.87	39	844	80	15 200	1 527.0	1970	83 12 - GPP
11	49.01	0.020	0.37	0.89	32	829	75	14 790	1 488.6	1970	82 12 - ABAND 81 02
15	70.01	0.040	0.30	0.87	57	849	80	15 240	1 559.7	1970	81 05 - SUSP 82 09
64	30.30	0.010	0.36	0.87	39	848	80	6 578	1 486.2	1985	86 05 - SUSP 86 03
64	3.00	0.170	0.26	0.90	39	850	24	4 650	306.5	1985	86 06
64	1.93	0.218	0.30	0.90	39	850	24	4 650	289.5	1985	86 06 - SUSP 86 06
64	1.70	0.150	0.50	0.85	66	809	20	10 904	1 388.7	1981	83 04 - ABAND 85 06
64	4.42	0.130	0.38	0.75	100	810	52	12 287	1 456.9	1984	85 07 - ABAND 85 10
64	3.00	0.200	0.20	0.78	88	839	69	14 174	1 661.7	1980	80 12 - GPP
320	1.82	0.120	0.21	0.72	67	830	62	13 800	1 578.3	1982	84 05
64	2.00	0.090	0.42	0.82	60	830	70	13 482	1 627.0	1983	84 08 - SUSP 86 01
64	0.67	0.134	0.23	0.82	64	834	66	12 476	1 473.9	1983	86 12
384					100	837	59	13 166	1 429.3	1983	86 12
64	5.00	0.180	0.33	0.80							
320	1.75	0.166	0.32	0.80							
128	2.06	0.100	0.39	0.84	67	826	62	12 886	1 589.3	1982	85 07
1 553					91	825	58	13 260	1 431.0	1983	86 08
86	2.55	0.160	0.19	0.80							
1 467	4.24	0.160	0.19	0.80							

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SPRING COULEE 003-23W4								
RUNDLE	413.0	0.04		16.5		16.5	13.0	3.5
ST. ALBERT-BIG LAKE 053-26W4								
BIG LAKE D-1 A	254.0	<0.17		41.3		41.3	41.3	
D-1 D	2 880.0	0.10		288.0		288.0	113.9	174.1
BIG LAKE D-2 A	500.0	0.65		325.0		325.0	287.2	37.8
BIG LAKE D-3 A	3 700.0	0.65		2 400.0		2 400.0	2 132.5	267.5
ST. ALBERT D-3 B	1 750.0	0.60		1 050.0		1 050.0	876.9	173.1
STANMORE 029-11W4								
UPPER MANNVILLE B	283.0	<0.06		15.1		15.1	15.1	
UPPER MANNVILLE G	356.0	0.03		10.7		10.7	6.2	4.5
UPPER MANNVILLE P	1 730.0	0.05		86.4		86.4	27.7	58.7
UPPER MANNVILLE W	36.5	0.10		3.7		3.7	0.5	3.2
UPPER MANNVILLE Y	168.0	0.10		16.8		16.8	1.4	15.4
UPPER MANNVILLE A&C	59.6	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	98.0	0.10		9.9		9.9	7.6	2.3
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	3.3	8.1
LOWER MANNVILLE L	148.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	532.0	0.10		53.2		53.2	19.5	33.7
LOWER MANNVILLE T	171.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE X	62.2	0.10		6.2		6.2	4.9	1.3
LOWER MANNVILLE Y	130.0	0.10		13.0		13.0	2.2	10.8
LOWER MANNVILLE A&B	193.0	0.06		11.6		11.6	9.1	2.5
STETTLER 038-20W4								
LOWER MANNVILLE A	1 110.0	0.01		11.1		11.1	0.7	10.4
D-2 A TOTAL	9 430.0			2 833.0	1 380.0	4 213.0	3 957.2	255.8
PRIMARY AREA	210.0	0.30		63.0		63.0		
WATER FLOOD AREA	9 220.0	0.30	0.15	2 770.0	1 380.0	4 150.0		
D-2 B	95.0	<0.01		3.3		3.3	3.3	
D-2 C	310.0	<0.01		0.1		0.1	0.1	
D-3 A	6 150.0	0.60		3 690.0		3 690.0	3 202.0	488.0
D-3 B	400.0	0.65		260.0		260.0	215.1	44.9
D-3 D	106.0	0.60		63.6		63.6	8.1	55.5
D-3 E	172.0	0.10		17.2		17.2	1.2	16.0
D-3 F	103.0	0.25		25.8		25.8	1.1	24.7
D-3 G	20.8	0.60		12.5		12.5	4.7	7.8
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618.0	0.08		49.4		49.4	36.7	12.7
STETTLER SOUTH 037-20W4								
D-2 TOTAL	1 600.0			288.0	80.0	368.0	275.8	92.2
PRIMARY AREA	600.0	0.18		108.0		108.0		
WATER FLOOD AREA	1 000.0	0.18	0.08	180.0	80.0	260.0		
D-2 B	132.0	0.18		23.8		23.8	3.2	20.6
D-3	407.0	0.65		265.0		265.0	233.1	31.9
STRATHMORE 022-25W4								
UPPER MANNVILLE A	227.0	0.05		11.4		11.4	10.2	1.2
LOWER MANNVILLE A	161.0	0.10		16.1		16.1	5.1	11.0
LOWER MANNVILLE B	445.0	0.10		44.5		44.5	1.7	42.8
STURGEON LAKE 071-23W5								
D-3	7 060.0	0.50		3 530.0		3 530.0	3 270.8	259.2
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770.0	0.11		524.0		524.0	400.7	123.3
TRIASSIC B	1 200.0	0.20		240.0		240.0	209.2	30.8
TRIASSIC C	26.6	<0.01		0.2		0.2	0.2	
D-2 A	884.0	0.20		177.0		177.0	123.9	53.1
D-3	45 300.0	0.55		24 900.0		24 900.0	19 875.7	5 024.3
D-3 B	1 210.0	0.10		121.0		121.0	112.3	8.7
D-3 C	818.0	0.55		450.0		450.0	121.0	329.0
D-3 D	268.0	0.35		93.8		93.8	1.8	92.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
331	2.83	0.070	0.25	0.84	46	855	56	10 070	1 835.5	1950	78 10 - SUSP 84 11
110	5.85	0.058	0.20	0.85	70	849	53	9 310	1 225.9	1958	83 12 - SUSP 83 12
240	29.46	0.080	0.40	0.85	70	851	54	9 332	1 222.7	1953	83 10
130	16.50	0.034	0.22	0.88	71	844	55	10 620	1 336.5	1956	82 12
101	43.24	0.110	0.06	0.82	62	849	58	11 240	1 463.6	1956	82 12 - GPP
110	22.00	0.098	0.09	0.81	73	855	58	11 030	1 424.9	1953	83 12
65	3.71	0.195	0.32	0.90	42	876	38	8 880	1 043.6	1970	86 12 - SUSP 86 01
64	4.60	0.206	0.35	0.90	43	876	32	9 280	1 062.2	1976	79 12
480	3.51	0.200	0.43	0.90	56	865	37	9 408	1 048.5	1979	85 12 - GPP
32	2.00	0.120	0.50	0.95	20	910	30	9 419	1 047.2	1978	84 11
128	1.79	0.160	0.46	0.85	46	890	36	7 361	1 086.3	1985	86 06
64	1.23	0.140	0.40	0.90	47	876	27	8 620	1 046.1	1972	78 02 - SUSP 79 02
65	1.83	0.120	0.25	0.92	34	892	38	9 300	1 038.8	1977	77 07 - GPP
64	1.23	0.240	0.30	0.86	51	887	37	9 240	1 045.0	1977	79 05 - GPP
64	2.00	0.180	0.30	0.92	36	876	39	6 270	1 066.1	1978	82 12 - ABAND 81 07
192	2.11	0.220	0.33	0.89	45	863	38	9 461	1 083.6	1980	85 04
64	2.30	0.210	0.40	0.92	126	858	50	9 631	1 087.7	1979	83 12 - SUSP 79 10
64	1.00	0.180	0.40	0.90	18	863	37	6 234	1 072.5	1984	84 08
64	1.17	0.260	0.25	0.89	62	889	37	8 517	1 028.1	1976	86 06 - SUSP 86 05
64	2.70	0.200	0.35	0.86	37	870	49	9 480	1 076.2	1975	84 12 - GPP
64	17.37	0.160	0.30	0.88	46	870	47	8 140	1 319.8	1963	85 12
2 239					63	876	62	12 000	1 585.9	1949	86 06
112	5.94	0.050	0.22	0.81							
2 127	13.72	0.050	0.22	0.81							- GPP
64	2.60	0.080	0.12	0.81	62	887	38	11 800	1 583.1	1978	86 12 - ABAND 84 05
64	12.00	0.060	0.20	0.84	62	887	55	11 767	1 592.0	1979	82 12 - SUSP 81 08
1 861	7.96	0.061	0.17	0.82	67	887	63	12 820	1 626.7	1949	75 08 - GPP
133	5.68	0.075	0.15	0.83	62	876	65	12 690	1 648.1	1952	84 12
64	5.30	0.060	0.37	0.83	62	876	58	12 086	1 642.7	1984	85 02
64	3.15	0.124	0.18	0.84	62	873	65	11 935	1 645.5	1984	86 12
32	4.00	0.130	0.26	0.84	62	902	65	10 232	1 631.0	1985	86 03
11	39.00	0.075	0.21	0.82	68	887	66	12 100	1 629.0	1983	85 09
285	1.85	0.200	0.31	0.85	44	887	33	9 290	1 293.0	1976	82 10 - GPP
280					63	876	62	11 960	1 605.4	1951	85 02 - GPP
120	6.68	0.110	0.15	0.80							
160	8.36	0.110	0.15	0.80							
32	5.09	0.145	0.31	0.81	65	882	63	11 926	1 601.2	1984	85 08 - GPP
175	3.93	0.084	0.12	0.80	75	904	60	12 760	1 653.8	1952	84 12 - GPP
64	3.70	0.150	0.20	0.80	177	800	52	13 680	1 703.2	1963	73 11 - GPP
64	3.40	0.120	0.25	0.82	76	865	49	11 640	1 782.6	1976	79 09 - GPP
64	7.30	0.170	0.30	0.80	79	855	53	10 100	1 813.7	1985	85 12
1 322	18.59	0.052	0.15	0.65	188	839	88	27 240	2 698.4	1952	73 12
1 578	4.08	0.150	0.35	0.76	102	844	52	13 890	1 499.6	1955	70 02 - GPP
565	2.83	0.139	0.29	0.76	101	839	54	14 860	1 554.5	1957	83 12 - GPP
32	2.00	0.090	0.40	0.77	104	838	54	13 115	1 553.8	1983	85 04 - ABAND 85 03
364	6.43	0.073	0.24	0.68	145	834	82	24 340	2 337.8	1957	84 12 - GPP
6 950	24.81	0.047	0.14	0.65	183	834	88	27 340	2 590.8	1953	72 02
446	8.87	0.050	0.15	0.72	133	839	91	25 990	2 660.0	1964	73 12 - GPP
98	13.22	0.102	0.09	0.68	160	841	88	22 899	2 670.0	1983	84 11
32	15.20	0.090	0.10	0.68	160	850	89	23 063	2 658.4	1984	84 12 - SUSP 85 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156.0	<0.01		0.4		0.4	0.4	
BANFF A	195.0	0.10		19.5		19.5	1.1	18.4
SUNDRE 034-05W5								
VIKING A	382.0	0.10		38.2		38.2	15.8	22.4
VIKING B	214.0	0.10		21.4		21.4	3.4	18.0
VIKING C	97.9	0.10		9.8		9.8	0.7	9.1
VIKING E	72.2	0.10		7.2		7.2	0.6	6.6
RUNDLE A TOTAL	13 200.0			3 250.0	1 910.0	5 160.0	4 889.9	270.1
PRIMARY AREA	488.0	0.15		73.2		73.2		
WATER FLOOD AREA	12 700.0	0.25	0.15	3 180.0	1 910.0	5 090.0		
RUNDLE B TOTAL	2 789.0			397.0	262.0	659.0	592.0	67.0
PRIMARY AREA	409.0	0.04		16.4		16.4		
WATER FLOOD AREA	2 380.0	0.16	0.11	381.0	262.0	643.0		
RUNDLE C	129.0	0.10		12.9		12.9	0.7	12.2
SUNSET 069-20W5								
TRIASSIC A WATER FLOOD	4 130.0	0.25	0.02	1 030.0	83.0	1 120.0	472.6	647.4
TRIASSIC B	288.0	0.15		43.2		43.2	13.0	30.2
BEAVERHILL LAKE A	245.0	<0.01		1.1		1.1	1.1	
SWALWELL 029-24W4								
PEKISKO A	1 620.0	0.05		81.0		81.0	55.0	26.0
PEKISKO B	167.0	<0.01		0.7		0.7	0.7	
PEKISKO C	249.0	<0.01		0.5		0.5	0.5	
PEKISKO D	408.0	0.10		40.8		40.8	25.1	15.7
PEKISKO E	37.8	<0.01		0.1		0.1	0.1	
PEKISKO F	2 420.0	0.10		242.0		242.0	58.2	183.8
PEKISKO H	603.0	0.02		12.1		12.1	6.5	5.6
PEKISKO I	373.0	0.10		37.3		37.3	0.6	36.7
PEKISKO L	98.0	0.10		9.8		9.8	8.4	1.4
D-2 A	1 730.0	0.11		190.0		190.0	163.2	26.8
D-2 B	115.0	0.25		28.8		28.8	0.4	28.4
SWAN HILLS 068-10W5								
BEAVERHILL LAKE C TOTAL	98 710.0			12 450.0	20 180.0	32 630.0	18 357.6	14 272.4
PRIMARY AREA	3 832.0	0.08		306.6		306.6		
WATER FLOOD AREA	94 880.0	0.13	0.22	12 140.0	20 180.0	32 320.0		
BEAVERHILL LAKE D	216.0	<0.01		0.2		0.2	0.2	
BEAVERHILL LAKE A&B TOTAL	290 000.0			45 200.0	65 900.0	111 100.0	85 300.9	25 799.1
PRIMARY AREA	4 880.0	0.12		586.0		586.0		
SOLVENT FLOOD AREA	76 100.0	<0.17	0.34	12 600.0	26 100.0	38 700.0		
WATER FLOOD AREA	209 000.0	<0.16	0.19	32 000.0	39 800.0	71 800.0		
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE A&B TOTAL	134 800.0			23 170.0	44 280.0	67 450.0	52 743.2	14 706.8
PRIMARY AREA	2 310.0	0.14		324.0		324.0		
SOLVENT FLOOD AREA	124 800.0	0.18	0.35	22 460.0	43 690.0	66 150.0		
WATER FLOOD AREA	7 646.0	0.05	0.07	382.3	590.7	973.0		
SYLVAN LAKE 037-03W5								
CARDIUM A	550.0	0.12		66.0		66.0	58.5	7.5
CARDIUM B	169.0	0.10		16.9		16.9	7.4	9.5
CARDIUM C	159.0	0.10		15.9		15.9	1.3	14.6
CARDIUM D	26.6	0.10		2.7		2.7	0.2	2.5
CARDIUM E	54.8	0.10		5.5		5.5	1.3	4.2
SECOND WHITE SPECKS A	484.0	0.02		9.7		9.7	3.3	6.4
VIKING E	361.0	0.15		54.2		54.2	29.5	24.7
VIKING G	64.5	0.15		9.7		9.7	5.4	4.3
VIKING H	73.9	0.10		7.4		7.4	3.3	4.1
VIKING J	77.8	0.15		11.7		11.7	0.9	10.8
VIKING K	120.0	0.15		18.0		18.0	12.6	5.4
VIKING L	80.2	0.15		12.0		12.0	1.6	10.4
VIKING M	378.0	0.10		37.8		37.8	3.8	34.0
VIKING N	13.8	0.10		1.4		1.4		1.4

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	1.80	0.220	0.30	0.88	51	877	30	8 477	1 095.3	1980	80 10 - SUSP 81 11
64	3.20	0.130	0.16	0.87	51	878	43	9 085	1 173.4	1982	83 09
256	4.36	0.070	0.27	0.67	181	816	87	18 307	2 481.4	1980	84 01
64	5.80	0.100	0.20	0.72	128	849	59	18 758	2 422.4	1981	82 03
64	3.40	0.080	0.25	0.75	181	850	87	19 064	2 565.0	1984	85 05
64	3.21	0.069	0.24	0.67	181	808	87	18 400	2 486.5	1985	85 12 - SUSP 86 10
2 489					130	865	91	25 370	2 759.0	1955	83 12
192	8.75	0.051	0.22	0.73							
2 297	8.29	0.105	0.13	0.73							
856					127	865	90	25 060	2 687.0	1960	86 11
186	3.89	0.090	0.14	0.73							
670	6.36	0.090	0.15	0.73							
64	8.20	0.050	0.30	0.70	195	863	93	21 175	2 801.9	1985	86 01
1 391	5.46	0.130	0.49	0.82	97	865	60	12 860	1 439.3	1960	80 02 - GPP
96	5.33	0.140	0.51	0.82	76	865	43	14 420	1 390.9	1975	85 05
128	6.74	0.056	0.35	0.78	70	877	86	24 600	2 693.6	1982	85 12 - SUSP 83 09
576	10.40	0.044	0.25	0.82	74	849	53	11 720	1 626.1	1965	81 12 - GPP
65	14.02	0.050	0.55	0.82	74	839	54	12 100	1 700.5	1976	81 12 - SUSP 77 11
65	16.46	0.050	0.43	0.82	74	839	49	10 480	1 705.4	1976	82 12 - SUSP 76 12
128	10.80	0.060	0.40	0.82	71	839	64	10 958	1 665.0	1976	83 08
65	1.83	0.060	0.35	0.82	78	855	43	11 210	1 652.6	1977	79 03 - SUSP 78 05
745	8.21	0.070	0.31	0.82	64	871	52	11 010	1 656.8	1979	84 05
128	18.84	0.050	0.39	0.82	67	869	51	10 991	1 626.5	1979	83 12 - GPP
64	8.80	0.133	0.40	0.83	85	874	61	11 167	1 621.1	1980	79 03
64	4.94	0.060	0.37	0.82	71	849	60	11 170	1 710.0	1976	78 12 - GPP
928	4.24	0.068	0.16	0.77	96	839	69	16 580	1 947.4	1969	80 12 - GPP
65	3.96	0.070	0.17	0.77	122	839	68	16 410	1 973.3	1973	75 12
25 749					77	815	91	21 950	2 281.4	1959	86 09
2 254	3.91	0.062	0.10	0.78							
23 495	9.28	0.062	0.10	0.78							
128	9.00	0.030	0.20	0.78	86	818	53	22 363	2 487.8	1982	84 12 - SUSP 84 01
40 666					100	820	104	22 680	2 527.4	1957	86 12
2 273	5.70	0.067	0.23	0.73							
4 608	33.65	0.082	0.18	0.73							
33 785	14.12	0.080	0.25	0.73							
14 913					113	820	107	23 510	2 543.6	1959	86 12
713	9.16	0.063	0.22	0.72							
11 222	22.09	0.084	0.16	0.71							
2 978	6.92	0.065	0.20	0.71							
411	1.54	0.138	0.25	0.84	71	860	54	27 130	1 763.9	1964	79 12 - GPP
164	1.35	0.130	0.30	0.84	71	847	54	27 230	1 794.9	1976	86 03 - GPP
64	6.80	0.058	0.25	0.84	68	845	54	10 050	1 686.3	1982	82 07
64	1.16	0.061	0.30	0.84	64	807	54	9 954	1 675.6	1982	84 06 - SUSP 86 06
64	1.70	0.080	0.25	0.84	62	827	60	8 500	1 807.0	1985	85 12
64	12.00	0.180	0.50	0.70	145	816	64	18 657	2 086.0	1981	83 12 - GPP
256	2.77	0.110	0.40	0.77	102	839	66	15 130	1 999.5	1972	85 10
64	2.80	0.080	0.40	0.75	123	820	36	18 036	1 996.9	1964	81 07 - GPP
64	2.20	0.100	0.30	0.75	105	815	58	18 843	1 981.4	1981	82 05
64	2.70	0.100	0.40	0.75	125	825	60	14 500	1 970.2	1981	83 01 - GPP
124	2.15	0.090	0.35	0.77	99	839	66	13 925	2 183.5	1977	83 12
128	1.84	0.090	0.34	0.77	101	839	66	11 706	2 102.8	1983	85 08
64	6.50	0.200	0.45	0.75	105	800	63	14 105	1 827.2	1982	85 02
64	0.70	0.080	0.50	0.77	101	839	66	14 826	1 881.7	1982	83 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
SYLVAN LAKE 037-03W5 (CONTINUED)								
VIKING O	65.9	0.10		6.6		6.6	2.1	4.5
VIKING P	72.1	0.15		10.8		10.8	3.0	7.8
VIKING Q	25.1	0.20		5.0		5.0	2.9	2.1
VIKING T	36.2	0.15		5.4		5.4	0.6	4.8
VIKING U	55.9	0.15		8.4		8.4	2.2	6.2
VIKING W	337.0	0.15		50.6		50.6	10.4	40.2
VIKING A & S	2 190.0	0.12		264.0		264.0	205.0	59.0
GLAUCONITIC C	337.0	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC F	333.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC G	341.0	0.10		34.1		34.1	6.9	27.2
LOWER MANNVILLE J	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE N	84.3	0.10		8.4		8.4	0.7	7.7
LOWER MANNVILLE R	529.0	0.10		52.9		52.9	0.5	52.4
LOWER MANNVILLE S	44.0	0.10		4.4		4.4	1.1	3.3
OSTRACOD A	254.0	<0.01		1.5		1.5	1.5	
OSTRACOD F	144.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ A & OSTRACOD B	435.0	0.03		13.1		13.1	10.3	2.8
DETRITAL B	973.0	<0.01		1.4		1.4	1.4	
DETRITAL D	359.0	<0.01		0.8		0.8		0.8
JURASSIC E & DETRITAL E	443.0	0.07		31.0		31.0	26.6	4.4
JURASSIC A	4 180.0	0.10		418.0		418.0	329.3	88.7
JURASSIC B	222.0	<0.01		0.8		0.8	0.8	
JURASSIC C	1 590.0	0.05		79.5		79.5	45.5	34.0
JURASSIC D	429.0	0.05		21.4		21.4	16.0	5.4
JURASSIC E	726.0	0.03		21.8		21.8	16.9	4.9
JURASSIC I	373.0	0.05		18.7		18.7	0.7	18.0
JURASSIC J	752.0	0.03		22.6		22.6	6.1	16.5
JURASSIC M	184.0	<0.01		16.5		16.5	16.5	
JURASSIC N	909.0	<0.03		20.7		20.7	7.0	13.7
JURASSIC P	261.0	<0.01		0.1		0.1	0.1	
JURASSIC R	157.0	0.10		15.7		15.7	3.3	12.4
JURASSIC T	183.0	0.15		27.5		27.5	0.9	26.6
JURASSIC U	374.0	0.10		37.4		37.4	0.3	37.1
JURASSIC W	357.0	0.05		17.9		17.9	0.1	17.8
ELKTON B	869.0	0.15		130.0		130.0	93.0	37.0
ELKTON F	454.0	0.08		36.3		36.3	32.4	3.9
ELKTON I	263.0	<0.01		1.4		1.4	1.4	
ELKTON J	460.0	0.15		69.0		69.0	10.9	58.1
ELKTON K	110.0	0.15		16.5		16.5	5.5	11.0
ELKTON-SHUNDA D	4 770.0	0.15		715.0		715.0	511.3	203.7
SHUNDA C	126.0	0.02		2.5		2.5	1.6	0.9
SHUNDA E	290.0	0.10		29.0		29.0	4.4	24.6
PEKISKO B	7 950.0	0.29		2 300.0		2 300.0	1 584.8	715.2
PEKISKO C	2 620.0	0.30		787.0		787.0	490.1	296.9
PEKISKO D	1 910.0	0.20		381.0		381.0	302.5	78.5
PEKISKO E	159.0	<0.02		2.5		2.5	2.5	
PEKISKO G	830.0	<0.01		0.1		0.1	0.1	
PEKISKO M	426.0	<0.01		0.1		0.1	0.1	
PEKISKO Q	404.0	0.10		40.4		40.4	1.4	39.0
PEKISKO R	269.0	0.05		13.5		13.5	2.1	11.4
PEKISKO S	268.0	0.15		40.2		40.2	1.3	38.9
D-3 A	1 620.0	0.01		16.2		16.2	9.3	6.9
TANGENT 080-24W5								
D-1 A	970.0	0.20		194.0		194.0	77.5	116.5
D-1 B	84.9	0.20		17.0		17.0	8.5	8.5
D-1 C	246.0	0.20		49.2		49.2	13.6	35.6
D-1 D	85.0	0.20		17.0		17.0	5.6	11.4
D-1 E	1 350.0	0.20		270.0		270.0	87.8	182.2
D-1 F	590.0	0.20		118.0		118.0	26.9	91.1
D-1 G	376.0	0.20		75.2		75.2	2.2	73.0
D-1 H	635.0	0.20		127.0		127.0	12.1	114.9
D-1 I	430.0	0.20		86.0		86.0	25.6	60.4
D-1 J	268.0	<0.02		4.3		4.3	4.3	
D-1 K	736.0	0.03		22.1		22.1	11.2	10.9
D-1 L	298.0	0.20		59.6		59.6	12.5	47.1
D-1 M	673.0	0.20		135.0		135.0	29.4	105.6
D-1 N	260.0	0.20		52.0		52.0	0.1	51.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
192	0.98	0.070	0.35	0.77	101	839	66	11 186	1 876.2	1983	85 04 - GPP
64	1.50	0.150	0.35	0.77	101	839	66	14 883	2 019.2	1983	84 09
64	1.74	0.045	0.35	0.77	72	845	66	11 289	2 171.5	1978	82 07
64	1.50	0.070	0.30	0.77	101	840	66	14 826	1 972.8	1985	85 10 - GPP
64	1.70	0.100	0.35	0.79	101	839	66	14 826	1 582.2	1985	85 10
256	2.97	0.080	0.27	0.76	131	806	44	11 583	1 788.0	1983	86 07
3 200	1.26	0.110	0.35	0.76	110	815	51	15 650	1 900.7	1965	85 11 - GPP
64	8.62	0.130	0.39	0.77	89	887	64	16 790	2 199.1	1964	73 12 - SUSP 80 04
65	4.57	0.100	0.25	0.77	98	910	62	16 420	2 201.0	1975	76 07 - SUSP 78 07
64	9.40	0.120	0.35	0.71	126	807	79	14 350	2 158.9	1983	86 12 - ABAND 85 07
64	6.70	0.140	0.20	0.71	90	808	70	12 180	2 162.6	1974	84 10
65	2.74	0.200	0.30	0.85	64	915	61	14 090	2 158.0	1976	83 12 - ABAND 80 11
64	2.50	0.100	0.15	0.62	195	795	64	18 020	2 353.3	1978	79 03
64	12.30	0.120	0.30	0.80	80	845	66	17 006	2 140.4	1981	82 03
64	1.20	0.090	0.25	0.85	54	888	71	17 609	2 336.1	1978	82 05 - SUSP 84 04
64	5.18	0.130	0.24	0.77	80	892	71	17 510	2 284.8	1963	64 04 - SUSP 69 07
64	4.00	0.100	0.25	0.75	105	879	74	17 100	2 316.8	1979	82 12 - SUSP 80 09
64	7.08	0.150	0.20	0.80	108	892	73	20 532	2 387.0	1964	79 02 - GPP
65	19.81	0.128	0.25	0.79	80	887	73	16 510	2 197.6	1963	73 02 - SUSP 71 09
65	3.66	0.240	0.20	0.79	80	844	73	16 650	2 176.3	1971	76 10
64	10.40	0.104	0.18	0.78	102	887	76	19 200	2 431.7	1963	81 12 - GPP
1 187	4.30	0.140	0.25	0.78	96	887	68	17 310	2 264.1	1962	63 04
66	5.79	0.100	0.25	0.78	93	887	71	16 890	2 236.9	1962	64 04 - ABAND 66 10
192	10.50	0.130	0.22	0.78	96	887	71	15 673	2 242.5	1960	83 05 - GPP
138	5.12	0.104	0.25	0.78	94	887	71	16 000	2 225.3	1963	85 12 - GPP
65	12.80	0.150	0.25	0.78	95	898	67	17 070	2 211.9	1964	84 12 - GPP
65	10.97	0.090	0.25	0.78	95	887	71	17 070	2 222.6	1964	85 11 - GPP
128	7.94	0.130	0.27	0.78	96	887	71	17 270	2 249.1	1965	85 11 - GPP
64	5.53	0.090	0.25	0.77	103	887	71	16 800	2 202.8	1970	85 12 - SUSP 84 12
192	7.33	0.120	0.31	0.78	83	890	68	17 921	2 269.2	1982	86 03
64	6.80	0.110	0.30	0.78	88	933	60	17 650	2 311.9	1983	84 03 - ABAND 84 09
64	5.10	0.103	0.40	0.78	95	919	65	17 500	2 263.5	1983	84 06 - GPP
64	3.40	0.150	0.30	0.80	83	889	68	15 374	2 303.0	1984	86 01
64	7.50	0.135	0.26	0.78	98	867	55	17 235	2 239.0	1981	85 09 - SUSP 86 02
64	5.20	0.170	0.19	0.78	98	895	55	16 500	2 232.7	1985	86 05 - SUSP 86 06
217	4.69	0.132	0.17	0.78	92	881	71	17 270	2 255.8	1963	63 10
64	11.00	0.100	0.18	0.78	89	887	76	18 890	2 433.8	1963	79 12 - GPP
64	7.30	0.110	0.39	0.84	74	913	71	17 364	2 307.3	1982	83 04 - ABAND 83 11
64	13.00	0.100	0.35	0.85	95	886	64	17 923	2 393.1	1984	84 11
64	4.00	0.070	0.25	0.82	72	911	73	16 846	2 217.1	1984	85 10
626	10.67	0.109	0.16	0.78	93	887	68	17 310	2 265.9	1963	63 10 - GPP
65	1.83	0.170	0.20	0.78	96	892	72	16 800	2 192.7	1972	82 12 - GPP
64	11.30	0.080	0.35	0.77	100	908	55	19 500	2 317.6	1985	86 04
1 232	9.24	0.108	0.16	0.77	92	887	69	17 100	2 229.6	1962	70 02
485	8.90	0.096	0.19	0.78	93	887	72	17 440	2 236.3	1963	63 10 - GPP
487	6.58	0.102	0.20	0.73	121	849	76	17 510	2 257.7	1960	63 04 - GPP
27	8.23	0.105	0.20	0.86	85	921	73	15 860	2 154.3	1963	73 02 - SUSP 72 11
74	28.04	0.069	0.25	0.77	62	992	89	17 510	2 153.1	1963	64 12 - SUSP 64 05
65	7.01	0.140	0.13	0.77	94	887	67	17 480	2 292.7	1964	65 12 - ABAND 68 03
128	6.07	0.100	0.35	0.80	121	849	76	16 870	2 261.6	1983	85 10 - GPP
64	8.00	0.105	0.35	0.77	145	825	63	17 488	2 263.9	1984	86 04 - GPP
64	9.60	0.070	0.20	0.78	145	825	63	15 058	2 194.3	1985	86 02
987	6.16	0.056	0.15	0.56	262	792	79	24 340	2 881.9	1962	83 12 - SUSP 84 05
64	50.50	0.050	0.24	0.79	78	839	62	18 804	1 783.5	1981	83 04
64	6.00	0.040	0.30	0.79	80	839	55	18 591	1 763.5	1982	82 10
64	21.30	0.030	0.24	0.79	75	839	68	16 360	1 783.5	1982	83 04
64	22.10	0.010	0.24	0.79	78	843	62	18 697	1 777.0	1983	83 08
64	67.80	0.050	0.21	0.79	82	839	56	18 579	1 781.9	1983	83 11
64	31.80	0.054	0.32	0.79	80	855	58	18 949	1 830.9	1983	83 11
64	42.50	0.025	0.30	0.79	84	843	58	18 520	1 773.0	1983	84 01 - SUSP 85 02
64	39.30	0.045	0.29	0.79	84	843	59	18 976	1 799.8	1983	84 01
64	45.00	0.030	0.40	0.83	67	823	62	18 334	1 774.0	1983	84 11
64	24.50	0.030	0.28	0.79	62	823	58	18 423	1 769.5	1983	85 07 - ABAND 85 03
64	44.37	0.040	0.18	0.79	62	823	58	19 580	1 882.5	1984	86 12
64	28.50	0.030	0.31	0.79	80	843	58	16 900	1 776.5	1984	84 12
64	46.20	0.040	0.28	0.79	80	843	59	17 713	1 761.9	1984	84 12
64	17.40	0.040	0.26	0.79	88	903	54	14 000	1 799.3	1984	85 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
TANGENT 080-24W5 (CONTINUED)								
D-1 O	351.0	0.20		70.2		70.2	2.8	67.4
D-1 P	752.0	0.30		226.0		226.0	10.4	215.6
D-1 Q	310.0	0.20		62.0		62.0	4.3	57.7
D-1 R	644.0	0.30		199.0		199.0	17.5	181.5
D-1 S	188.0	0.20		37.6		37.6	2.6	35.0
D-1 T	685.0	<0.01		0.1		0.1		0.1
D-1 U	704.0	0.20		141.0		141.0	7.1	133.9
D-1 V	1 190.0	0.30		357.0		357.0	47.6	309.4
D-1 W	95.6	0.10		9.6		9.6	0.1	9.5
D-1 X	79.6	0.25		19.9		19.9		19.9
THORSBY 049-01W5								
GLAUCONITIC A	4 270.0	0.10		427.0		427.0	99.8	327.2
GLAUCONITIC B	701.0	0.10		70.1		70.1	29.0	41.1
GLAUCONITIC C	467.0	0.05		23.4		23.4	0.1	23.3
LOWER MANNVILLE A	303.0	<0.01		0.5		0.5	0.5	
OSTRACOD A	78.7	0.10		7.9		7.9	0.2	7.7
THREE HILLS CREEK 035-25W4								
PEKISKO	65.8	<0.03		1.6		1.6	1.6	
D-2 A	82.1	0.20		16.4		16.4	3.7	12.7
TINDASTOLL 036-01W5								
BELLY RIVER A	2 800.0	0.10		280.0		280.0	82.2	197.8
BELLY RIVER B	480.0	0.01		4.8		4.8	1.9	2.9
BELLY RIVER C	248.0	<0.01		0.1		0.1		0.1
BELLY RIVER E	275.0	<0.01		0.1		0.1		0.1
BELLY RIVER F	442.0	0.10		44.2		44.2	0.7	43.5
LOWER MANNVILLE A	489.0	<0.01		0.4		0.4	0.4	
PEKISKO A	228.0	0.04		9.1		9.1	1.5	7.6
TOMAHAWK 052-05W5								
NORDEGG A	1 420.0	0.10		142.0		142.0	15.5	126.5
NORDEGG B	1 060.0	0.10		106.0		106.0	10.0	96.0
BANFF A	150.0	<0.01		0.1		0.1		0.1
BANFF B	228.0	0.10		22.8		22.8	2.1	20.7
BANFF C	180.0	0.10		18.0		18.0		18.0
TONY CREEK NORTH 064-21W5								
VIKING A	419.0	0.10		41.9		41.9	0.4	41.5
CADOMIN A	265.0	0.03		8.0		8.0	4.0	4.0
TROCHU 033-22W4								
BASAL QUARTZ A	922.0	0.05		46.1		46.1	25.0	21.1
BASAL QUARTZ B	762.0	0.03		22.9		22.9	3.7	19.2
TROUT 090-03W5								
KEG RIVER A	1 680.0	0.35		588.0		588.0	49.3	538.7
KEG RIVER C	42.9	0.35		15.0		15.0	1.3	13.7
KEG RIVER D	107.0	0.35		37.5		37.5	0.4	37.1
KEG RIVER E	161.0	0.35		56.4		56.4	0.9	55.5
KEG RIVER H	132.0	0.25		33.0		33.0		33.0
TURIN 010-18W4								
UPPER MANNVILLE B	235.0	0.06		14.1		14.1	12.4	1.7
UPPER MANNVILLE H	2 300.0	0.25		575.0	ERSO	575.0	187.6	387.4
UPPER MANNVILLE I	56.2	0.10		5.6		5.6	0.6	5.0
UPPER MANNVILLE L	51.5	0.10		5.2		5.2	3.0	2.2
LOWER MANNVILLE B	780.0	0.01		7.8		7.8	2.9	4.9
LOWER MANNVILLE G	73.1	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	232.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE I	95.2	<0.03		2.6		2.6	2.6	
LOWER MANNVILLE O	92.6	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE V	483.0	0.10		48.3		48.3	25.2	23.1
LOWER MANNVILLE W	246.0	0.05		12.3		12.3	7.4	4.9
LOWER MANNVILLE CC	799.0	0.10		79.9		79.9	26.2	53.7
LOWER MANNVILLE DD	224.0	0.10		22.4		22.4	12.5	9.9
LOWER MANNVILLE EE	124.0	0.15		18.6		18.6	8.5	10.1
LOWER MANNVILLE FF	344.0	0.10		34.4		34.4	16.0	18.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	31.70	0.030	0.27	0.79	78	840	60	9 500	1 802.9	1984	85 02
64	66.40	0.040	0.44	0.79	72	827	64	8 250	1 787.8	1984	85 02
64	21.40	0.035	0.22	0.83	62	855	60	18 979	1 813.8	1984	85 04
64	30.98	0.053	0.20	0.79	78	827	59	17 794	1 804.9	1984	85 04
64	19.70	0.030	0.40	0.83	62	857	60	13 238	1 783.1	1984	85 05 - SUSP 86 09
64	89.50	0.024	0.40	0.83	62	843	60	13 238	1 775.9	1985	85 09 - ABAND 85 10
64	81.50	0.025	0.35	0.83	62	843	60	13 238	1 782.5	1985	85 09
64	52.80	0.050	0.15	0.83	62	843	60	13 238	1 801.2	1985	85 10
64	7.50	0.040	0.40	0.83	62	843	60	13 238	1 775.5	1985	85 11
64	30.70	0.010	0.50	0.81	77	843	60	16 244	1 783.7	1985	86 03
320	20.62	0.120	0.30	0.77	86	849	54	12 220	1 489.9	1979	85 12
64	8.63	0.180	0.17	0.85				12 222	1 450.3	1973	75 12 - GPP
64	9.46	0.153	0.29	0.71	110	868	60	12 458	1 546.8	1984	85 08
64	9.00	0.090	0.22	0.75	89	866	55	12 243	1 522.5	1979	83 12 - SUSP 83 12
64	1.54	0.152	0.30	0.75	110	866	53	12 145	1 511.0	1981	82 06 - SUSP 84 01
65	5.58	0.037	0.40	0.82	71	860	66	11 720	1 794.1	1968	73 02 - SUSP 72 01
64	4.70	0.050	0.22	0.70	130	841	65	17 135	2 150.0	1984	84 11
904	3.50	0.150	0.33	0.88	50	827	40	5 951	1 175.8	1980	85 09
64	9.80	0.150	0.42	0.88	52	865	35	5 462	1 184.3	1981	85 12
64	3.70	0.170	0.30	0.88	36	876	43	6 072	1 197.0	1983	83 07 - ABAND 83 05
64	4.10	0.170	0.30	0.88	36	815	43	5 081	1 160.0	1983	83 07 - ABAND 83 09
64	10.20	0.140	0.45	0.88	36	815	43	4 832	1 188.7	1983	84 05 - SUSP 86 01
64	13.00	0.120	0.30	0.70	155	897	70	27 500	1 997.8	1981	82 02 - ABAND 82 09
64	5.20	0.110	0.20	0.78	85	890	70	15 480	2 055.5	1982	84 12
320	4.85	0.180	0.34	0.77	115	887	53	15 112	1 651.8	1981	83 05
128	8.81	0.165	0.33	0.85	40	945	51	10 050	1 608.3	1984	86 11 - GPP
64	5.00	0.090	0.40	0.87	100	885	50	14 000	1 619.3	1985	86 01 - SUSP 85 12
48	5.00	0.180	0.34	0.80	88	950	56	16 887	1 621.8	1984	86 06 - GPP
48	4.25	0.160	0.31	0.80	88	950	56	16 887	1 581.0	1986	86 10 - GPP
64	10.00	0.130	0.40	0.84	70	844	47	1 078	1 572.9	1984	84 11
64	6.16	0.120	0.30	0.80	74	887	82	14 780	1 880.3	1977	85 12 - GPP
64	15.41	0.200	0.45	0.85	60	873	52	8 833	1 479.4	1970	78 12 - GPP
128	6.83	0.180	0.43	0.85	52	873	49	8 786	1 520.0	1982	85 12
1 388	2.53	0.083	0.38	0.93	23	835	39	6 922	1 358.8	1984	86 06
64	2.00	0.060	0.40	0.93	38	834	39	4 500	1 463.0	1985	86 07
64	4.10	0.080	0.45	0.93	38	827	39	4 500	1 443.6	1985	86 07
64	3.00	0.090	0.36	0.93	38	833	39	4 500	1 479.6	1985	86 07
64	3.10	0.115	0.38	0.93	23	843	39	6 922	1 426.9	1985	86 08
64	3.69	0.180	0.35	0.85	63	904	31	11 360	1 082.3	1973	85 11 - GPP
384	5.36	0.200	0.35	0.86	68	869	31	11 221	1 013.0	1980	86 12
32	1.80	0.180	0.37	0.86	70	869	31	10 467	999.1	1981	82 12 - GPP
64	0.90	0.160	0.35	0.86	68	831	31	10 790	1 023.0	1983	83 04
387	1.80	0.190	0.32	0.85	62	881	36	11 480	1 062.2	1974	83 12
64	1.52	0.160	0.45	0.85	33	876	66	11 620	1 068.9	1974	82 12 - SUSP 76 09
64	3.66	0.190	0.40	0.86	85	881	38	11 270	1 058.9	1974	79 03 - ABAND 82 05
65	1.83	0.170	0.45	0.86	66	881	31	11 330	1 076.2	1974	83 01 - ABAND 82 08
64	2.16	0.120	0.35	0.86	59	898	34	11 300	1 047.0	1976	79 02 - SUSP 78 10
256	1.98	0.160	0.30	0.85	110	880	37	11 681	1 100.8	1980	83 12 - GPP
64	3.30	0.190	0.28	0.85	66	874	31	11 464	1 096.8	1979	86 12
456	1.32	0.218	0.30	0.87	60	871	31	11 186	1 014.8	1980	85 07 - GPP
121	1.50	0.200	0.30	0.88	45	866	49	11 175	1 015.0	1982	85 12 - GPP
64	1.50	0.200	0.25	0.86	68	889	30	11 101	1 015.0	1982	85 12
128	2.27	0.180	0.27	0.90	38	892	32	10 833	1 005.7	1982	85 06

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
TURIN 010-18W4 (CONTINUED)								
LOWER MANNVILLE GG	167.0	0.15		25.0		25.0	15.6	9.4
LOWER MANNVILLE HH	89.0	0.10		8.9		8.9	1.3	7.6
LOWER MANNVILLE II	4 104.0	0.15		616.0		616.0	59.9	556.1
LOWER MANNVILLE JJ	77.1	0.15		11.6		11.6	5.9	5.7
LOWER MANNVILLE KK	70.2	0.10		7.0		7.0	0.2	6.8
LOWER MANNVILLE LL	348.0	0.10		34.8		34.8	8.2	26.6
LOWER MANNVILLE MM	35.1	0.15		5.3		5.3	4.5	0.8
LOWER MANNVILLE OO	48.4	0.10		4.8		4.8	0.1	4.7
LOWER MANNVILLE PP	57.4	0.10		5.7		5.7	2.2	3.5
LOWER MANNVILLE QQ	257.0	0.10		25.7		25.7	0.5	25.2
LOWER MANNVILLE RR	28.5	0.15		4.3		4.3	3.1	1.2
LOWER MANNVILLE SS	86.5	0.10		8.7		8.7	0.7	8.0
LOWER MANNVILLE UU	184.0	0.10		18.4		18.4	4.6	13.8
LOWER MANNVILLE WW	109.0	0.10		10.9		10.9	0.8	10.1
LOWER MANNVILLE XX	44.4	0.10		4.4		4.4	1.1	3.3
LOWER MANNVILLE YY	232.0	0.10		23.2		23.2	8.4	14.8
LOWER MANNVILLE ZZ	112.0	0.10		11.2		11.2	1.3	9.9
LOWER MANNVILLE AAA	133.0	0.10		13.3		13.3	9.4	3.9
LOWER MANNVILLE DDD	67.7	0.10		6.8		6.8		6.8
LOWER MANNVILLE EEE	189.0	0.10		18.9		18.9	0.7	18.2
TURNER VALLEY 020-03W5								
BLAIRMORE C	90.3	0.03		2.7		2.7	1.8	0.9
BLAIRMORE A & B	815.0	0.01		8.2		8.2	5.3	2.9
RUNDLE WATER FLOOD	159 000.0	0.12	0.02	19 100.0	3 180.0	22 300.0	21 849.2	450.8
RUNDLE B	355.0	0.03		10.7		10.7	2.1	8.6
SHALLOW	715.0	0.12		85.8		85.8	64.4	21.4
TWINING 031-24W4								
UPPER MANNVILLE B	143.0	<0.01		1.0		1.0	1.0	
GLAUCONITIC A	101.0	0.10		10.1		10.1	1.2	8.9
GLAUCONITIC B	75.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B TOTAL	1 890.0			93.8	272.0	366.0	238.5	127.5
PRIMARY AREA	76.5	0.05		3.8		3.8		
WATER FLOOD AREA	1 810.0	0.05	0.15	90.0	272.0	362.0		
LOWER MANNVILLE C	249.0	0.10		24.9		24.9	4.9	20.0
LOWER MANNVILLE F	100.0	0.11		11.0		11.0	8.3	2.7
LOWER MANNVILLE G	236.0	0.10		23.6		23.6	13.5	10.1
LOWER MANNVILLE H	194.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	295.0	0.10		29.5		29.5	18.2	11.3
RUNDLE A & LOWER MANNVILLE A	89 000.0	0.08		7 120.0		7 120.0	2 912.4	4 207.6
TWINING NORTH 033-24W4								
BASAL QUARTZ B	215.0	0.10		21.5		21.5	1.8	19.7
BASAL QUARTZ C	2 097.0	0.15		315.0		315.0	23.8	291.2
BASAL QUARTZ D	164.0	0.20		32.8		32.8	29.2	3.6
BASAL QUARTZ E	209.0	0.10		20.9		20.9	2.5	18.4
RUNDLE	37 600.0	0.04		1 500.0		1 500.0	1 171.5	328.5
UTIKUMA LAKE 081-09W5								
SLAVE POINT A	197.0	0.10		19.7		19.7	5.3	14.4
SLAVE POINT B	67.1	0.05		3.4		3.4	1.0	2.4
SLAVE POINT C	128.0	0.05		6.4		6.4	1.8	4.6
SLAVE POINT D	184.0	0.05		9.2		9.2	2.2	7.0
SLAVE POINT E	106.0	0.25		26.5		26.5	3.0	23.5
SLAVE POINT F	105.0	<0.01		1.0		1.0		1.0
SLAVE POINT G	111.0	0.25		27.8		27.8	0.8	27.0
GILWOOD D TOTAL	838.0			186.0	37.0	223.0	80.2	142.8
PRIMARY AREA	438.0	0.15		65.7		65.7		
WATER FLOOD AREA	400.0	0.30	0.10	120.0	37.0	157.0		
GILWOOD E	84.3	0.20		16.9		16.9	0.6	16.3
KEG RIVER SANDSTONE A	17 000.0	0.45		7 650.0		7 650.0	5 033.5	2 616.5
KEG RIVER SANDSTONE H	256.0	0.35		89.6		89.6	53.0	36.6
KEG RIVER SANDSTONE I	824.0	0.35		288.0		288.0	142.0	146.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.71	0.200	0.15	0.90	38	892	32	9 907	1 011.5	1982	84 12
64	1.50	0.180	0.40	0.86	62	887	32	11 321	1 052.2	1974	83 06
1 040	3.48	0.200	0.30	0.81	87	887	35	11 487	1 060.3	1983	86 10
64	1.00	0.200	0.30	0.86	62	887	32	11 249	1 102.5	1983	86 12
64	1.70	0.150	0.50	0.86	62	887	32	10 391	1 092.2	1983	84 03
64	5.40	0.180	0.31	0.81	86	817	35	11 508	1 073.2	1983	84 07
64	0.70	0.130	0.30	0.86	62	887	32	11 588	1 089.2	1984	86 12
32	2.00	0.120	0.30	0.90	38	892	32	11 076	1 005.7	1984	84 11 - SUSP 86 09
16	2.00	0.240	0.17	0.90	38	892	32	11 018	999.0	1984	84 11
64	2.50	0.220	0.15	0.86	62	887	32	9 350	1 090.8	1985	85 06
64	0.50	0.150	0.31	0.86	62	887	32	9 350	1 010.3	1984	85 06
32	2.00	0.190	0.21	0.90	38	892	32	6 216	1 006.0	1985	85 08
64	2.20	0.210	0.23	0.81	86	888	35	10 328	1 105.3	1985	85 09
64	1.50	0.200	0.30	0.81	86	817	35	10 328	1 089.2	1985	86 01
64	0.90	0.140	0.36	0.86	62	887	32	9 350	1 075.6	1983	83 12
128	2.12	0.160	0.38	0.86	62	887	32	9 350	1 076.1	1983	86 04
32	2.60	0.200	0.25	0.90	38	892	32	6 216	1 006.4	1984	84 06
64	1.96	0.190	0.38	0.90	38	892	32	6 216	1 067.7	1982	86 04
64	1.20	0.160	0.32	0.81	86	890	35	10 328	1 098.4	1985	86 08
64	2.80	0.210	0.38	0.81	86	890	35	10 328	1 051.0	1985	86 11
65	2.44	0.110	0.20	0.65		784	56	12 800	1 545.3	1976	82 12 - SUSP 85 07
65	16.76	0.117	0.12	0.73	83	806	52	5 420	1 363.4	1975	82 12 - SUSP 86 02
6 763	47.55	0.082	0.10	0.67	148	825	60	19 130	2 557.0	1936	83 12 - GPP
64	28.50	0.044	0.34	0.67	146	824	66	26 897	3 103.9	1981	85 12 - GPP
							41		1 460.0	1910	68 07 - GPP
64	2.46	0.170	0.35	0.82	80	839	36	10 300	1 577.0	1975	77 05 - ABAND 77 05
64	2.50	0.150	0.50	0.84	50	895	49	10 953	1 658.8	1981	82 05 - GPP
64	1.80	0.140	0.45	0.85	54	895	41	10 610	1 620.0	1973	82 08 - SUSP 82 08
1 408					79	876	52	11 720	1 581.6	1960	82 08 - GPP
32	2.44	0.170	0.28	0.80							
1 376	1.67	0.137	0.28	0.80							
65	3.35	0.180	0.22	0.82	53	887	59	10 000	1 586.8	1970	77 11 - GPP
125	1.03	0.150	0.35	0.80	85	869	57	10 980	1 630.6	1977	84 02 - GPP
64	4.00	0.150	0.25	0.82	78	886	53	11 530	1 597.5	1980	80 09
64	2.40	0.220	0.30	0.82	78	875	50	11 157	1 626.7	1973	83 12 - SUSP 83 05
128	3.11	0.140	0.34	0.80	80	873	50	10 644	1 539.5	1965	85 12
20 547	14.48	0.057	0.36	0.82	66	876	61	11 410	1 650.5	1952	74 08 - GPP - ADMIN 2
64	2.80	0.200	0.25	0.80	74	883	50	9 648	1 581.3	1980	81 08
500	3.63	0.190	0.24	0.80	51	887	42	10 363	1 601.8	1981	86 08
64	2.15	0.200	0.30	0.85	66	865	61	9 646	1 513.0	1961	81 02
64	5.50	0.120	0.43	0.87	47	863	62	10 080	1 521.2	1983	83 10 - GPP
6 490	12.96	0.070	0.23	0.83	62	876	62	11 450	1 659.9	1961	82 12 - GPP
64	6.50	0.080	0.35	0.91	28	843	49	12 498	1 639.0	1982	86 12
64	2.40	0.080	0.40	0.91	27	843	50	14 259	1 632.6	1983	86 12
64	6.10	0.060	0.40	0.91	28	843	48	9 347	1 631.9	1983	86 12
64	7.60	0.064	0.35	0.91	28	843	49	15 131	1 635.9	1983	86 12
64	4.00	0.070	0.35	0.91	27	840	51	16 517	1 646.6	1984	84 10
64	4.50	0.080	0.50	0.91	27	848	51	3 825	1 672.9	1984	84 11 - SUSP 84 08
64	4.00	0.070	0.32	0.91	27	848	51	3 825	1 672.9	1984	84 11
576					71	819	49	17 530	1 726.7	1977	86 03
320	1.89	0.130	0.31	0.83							
256	2.73	0.106	0.35	0.83							
64	1.24	0.160	0.20	0.83	62	830	48	13 967	1 692.9	1977	84 12
4 207	3.60	0.186	0.29	0.85	65	820	49	18 270	1 727.4	1963	85 10
84	2.70	0.190	0.30	0.85	65	825	49	15 510	1 755.3	1977	81 11
128	6.13	0.190	0.35	0.85	65	820	49	15 130	1 761.7	1977	81 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
UTIKUMA LAKE 081-09W5 (CONTINUED)								
KEG RIVER SANDSTONE K	620.0	0.35		217.0		217.0	115.4	101.6
KEG RIVER SANDSTONE M	1 520.0	0.25		380.0		380.0	116.3	263.7
KEG RIVER SANDSTONE N	3 330.0	0.45		1 500.0		1 500.0	682.1	817.9
KEG RIVER SANDSTONE O	440.0	0.10		44.0		44.0	17.0	27.0
KEG RIVER SANDSTONE P	296.0	0.05		14.8		14.8	10.2	4.6
KEG RIVER SANDSTONE R	125.0	0.35		43.8		43.8	25.8	18.0
KEG RIVER SANDSTONE S	365.0	0.35		128.0		128.0	40.1	87.9
KEG RIVER SANDSTONE T	459.0	0.25		115.0		115.0	34.0	81.0
KEG RIVER SANDSTONE U	2 350.0	0.25		588.0		588.0	93.9	494.1
KEG RIVER SANDSTONE V	222.0	0.25		55.5		55.5	21.5	34.0
KEG RIVER SANDSTONE W	58.7	0.30		17.6		17.6	9.8	7.8
KEG RIVER SANDSTONE X	250.0	0.25		62.5		62.5	22.0	40.5
KEG RIVER SANDSTONE Y	149.0	0.30		44.7		44.7	9.9	34.8
KEG RIVER SANDSTONE Z	274.0	0.30		82.2		82.2	27.7	54.5
KEG RIVER SANDSTONE AA	116.0	0.10		11.6		11.6	5.7	5.9
KEG RIVER SANDSTONE BB	318.0	0.25		79.5		79.5	26.4	53.1
KEG RIVER SANDSTONE CC	157.0	0.25		39.3		39.3	10.4	28.9
KEG RIVER SANDSTONE DD	156.0	0.30		46.8		46.8	10.3	36.5
KEG RIVER SANDSTONE EE	393.0	0.30		118.0		118.0	18.8	99.2
KEG RIVER SANDSTONE FF	252.0	0.35		88.2		88.2	14.1	74.1
KEG RIVER SANDSTONE GG	39.5	<0.01		0.1		0.1	0.1	
VALHALLA 075-10W6								
DOE CREEK I TOTAL	31 260.0			2 815.0	3 088.0	5 903.0	657.3	5 245.7
PRIMARY AREA	18 500.0	0.09		1 665.0		1 665.0		
WATER FLOOD AREA	12 760.0	0.09	0.21	1 150.0	3 088.0	4 238.0		
DOE CREEK K	152.0	0.10		15.2		15.2	3.5	11.7
DOE CREEK L	31.1	0.20		6.2		6.2	4.3	1.9
DOE CREEK M	371.0	0.15		55.7		55.7	3.5	52.2
DOE CREEK N	37.0	0.10		3.7		3.7	3.2	0.5
GETHING C	68.6	0.10		6.9		6.9	0.9	6.0
CHARLIE LAKE C	35.8	0.10		3.6		3.6	3.6	
CHARLIE LAKE D	103.0	0.10		10.3		10.3	2.2	8.1
CHARLIE LAKE H	1 306.0	0.15		196.0		196.0	27.1	168.9
CHARLIE LAKE I	322.0	0.10		32.2		32.2	6.1	26.1
CHARLIE LAKE K	63.0	0.15		9.5		9.5	6.4	3.1
BOUNDARY B	2 170.0	0.15		326.0		326.0	72.3	253.7
BOUNDARY D	369.0	0.15		55.4		55.4	22.5	32.9
BOUNDARY F	83.5	0.15		12.5		12.5	1.2	11.3
BOUNDARY H	194.0	<0.01		0.5		0.5	0.5	
BOUNDARY I	403.0	0.15		60.5		60.5	6.3	54.2
BOUNDARY A & CHARLIE LAKE A	167.0	0.15		25.0		25.0	11.5	13.5
HALFWAY C	1 350.0	0.20		270.0		270.0	68.6	201.4
DOIG A	871.0	0.15		131.0		131.0	4.4	126.6
DOIG B	582.0	0.10		58.2		58.2	5.0	53.2
VAUXHALL 012-17W4								
LOWER MANNVILLE A	57.8	0.10		5.8		5.8	0.1	5.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
139	4.25	0.180	0.30	0.85	65	839	52	15 630	1 760.9	1977	81 11
448	3.14	0.187	0.32	0.85	65	825	52	11 580	1 726.6	1978	86 10
640	4.96	0.190	0.35	0.85	65	820	49	11 584	1 737.7	1977	86 12
128	3.50	0.175	0.34	0.85	65	810	49	15 620	1 754.8	1979	85 12 - GPP
64	5.29	0.145	0.29	0.85	65	824	48	16 737	1 729.9	1979	86 12
64	1.91	0.170	0.29	0.85	65	825	43	13 957	1 740.3	1979	81 11
128	2.74	0.180	0.32	0.85	59	820	45	15 062	1 715.2	1980	82 05
64	7.09	0.170	0.30	0.85	65		49	13 732	1 739.2	1981	81 09
320	7.16	0.180	0.33	0.85	58	827	50	15 910	1 740.0	1980	83 03
64	3.20	0.180	0.29	0.85	65	825	49	16 396	1 742.6	1979	79 10
64	0.76	0.200	0.29	0.85	65	824	60	15 323	1 731.8	1982	83 01
64	4.50	0.170	0.40	0.85	65	822	49	15 450	1 736.7	1982	83 04
64	2.80	0.140	0.30	0.85	60	845	49	14 234	1 731.8	1983	83 05
64	4.00	0.180	0.30	0.85	55	823	50	15 011	1 731.0	1983	83 08
64	1.60	0.190	0.30	0.85	57	820	44	12 633	1 746.7	1983	86 12
64	4.30	0.200	0.32	0.85	50	843	61	14 854	1 739.5	1983	83 11
64	2.00	0.200	0.38	0.85	55	843	50	14 443	1 736.0	1983	84 02
64	2.35	0.200	0.39	0.85	65	843	49	14 064	1 734.5	1983	84 08
128	2.57	0.210	0.33	0.85	67	830	41	17 022	1 732.4	1978	84 10
64	3.28	0.199	0.29	0.85	65	820	49	11 708	1 725.8	1984	84 12
64	1.20	0.110	0.45	0.85	65	844	49	11 584	1 744.2	1984	85 05 - ABAND 85 11
8 952					19	858	29	3 807	702.2	1982	86 08
6 108	2.87	0.220	0.49	0.94							
2 844	4.15	0.230	0.50	0.94							
64	1.80	0.250	0.40	0.88	22	845	28	4 000	729.1	1984	85 02
64	0.88	0.209	0.70	0.88	49	840	24	5 155	708.8	1984	86 12
128	1.99	0.210	0.27	0.95	18	834	24	2 550	636.5	1985	85 09
69	0.61	0.176	0.43	0.88	43	840	27	3 600	553.5	1983	85 10
64	2.00	0.130	0.45	0.75	100	847	60	12 250	1 642.8	1983	86 02 - SUSP 85 06
64	0.80	0.120	0.18	0.71	125	836	58	18 958	2 004.1	1984	84 11
64	2.00	0.120	0.14	0.78	80	817	64	8 600	1 958.2	1984	84 12
448	3.99	0.113	0.16	0.77	100	800	73	17 571	1 978.5	1984	86 12
64	3.70	0.200	0.15	0.80	70	836	75	9 200	2 009.2	1982	86 02
64	1.60	0.100	0.18	0.75	100	865	60	13 500	1 912.8	1984	84 12
1 069	1.81	0.180	0.83	0.75	164	32	73	19 723	2 019.2	1973	85 03
256	2.11	0.110	0.15	0.73	150	816	80	18 518	1 961.1	1984	85 03
64	2.30	0.090	0.10	0.70	125	820	73	16 979	1 976.0	1983	86 02
64	3.00	0.150	0.10	0.75	94	816	70	10 000	1 958.6	1985	86 05 - SUSP 86 03
256	2.08	0.130	0.13	0.67	164	840	73	18 547	1 913.7	1986	86 10
116	2.81	0.090	0.22	0.73	149	835	72	17 570	1 978.8	1981	86 12
540	4.66	0.130	0.30	0.59	145	785	73	19 632	1 953.7	1980	85 05
69	24.80	0.106	0.25	0.69	120	815	73	19 664	2 006.0	1983	86 02
64	30.92	0.079	0.07	0.40	416	816	73	21 913	2 030.6	1984	86 02
64	1.00	0.150	0.30	0.86	64	895	30	11 069	1 027.9	1980	83 01 - SUSP 83 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VEGA 061-03W5								
VIKING B	138.0	<0.01		0.2		0.2	0.2	
VIKING C	109.0	0.10		10.9		10.9	0.5	10.4
VERGER 022-15W4								
UPPER MANNVILLE F	182.0	0.10		18.2		18.2	3.4	14.8
VIRGINIA HILLS 065-13W5								
GETHING A	132.0	0.15		19.8		19.8	7.2	12.6
BELLOY A TOTAL	10 200.0			2 290.0	1 520.0	3 810.0	1 636.9	2 173.1
PRIMARY AREA	122.0	0.10		12.2		12.2		
WATER FLOOD AREA	10 100.0	<0.23	0.15	2 280.0	1 520.0	3 800.0		
BELLOY B	67.0	0.10		6.7		6.7	0.1	6.6
BEAVERHILL LAKE TOTAL	75 400.0			17 200.0	8 000.0	25 200.0	19 930.0	5 270.0
PRIMARY AREA	1 830.0	0.23		421.0		421.0		
WATER FLOOD AREA	73 600.0	<0.23	0.11	16 800.0	8 000.0	24 800.0		
BEAVERHILL LAKE B	30.4	0.15		4.6		4.6		4.6
BEAVERHILL LAKE C	106.0	0.15		15.9		15.9	2.1	13.8
VIRGO 115-06W6								
SULPHUR POINT E	35.0	0.20		7.0		7.0	0.6	6.4
SULPHUR POINT A & KEG RIVER MM	249.0	0.45		112.0		112.0	99.8	12.2
MUSKEG A	334.0	0.20		66.7		66.7	58.0	8.7
MUSKEG B	72.3	0.35		25.3		25.3	15.2	10.1
MUSKEG C	160.0	0.22		35.2		35.2	33.1	2.1
MUSKEG E	59.6	<0.20		11.6		11.6	11.6	
MUSKEG G	191.0	0.25		47.7		47.7	30.3	17.4
MUSKEG I	207.0	0.25		51.8		51.8	39.8	12.0
MUSKEG J	175.0	0.20		35.0		35.0	17.8	17.2
MUSKEG K	440.0	<0.01		0.9		0.9	0.9	
MUSKEG L	159.0	<0.07		11.8		11.8	11.8	
MUSKEG M	173.0	<0.03		4.1		4.1	4.1	
MUSKEG O	462.0	0.15		69.3		69.3	14.2	55.1
MUSKEG Q	943.0	0.05		47.2		47.2	2.2	45.0
MUSKEG R	601.0	<0.01		5.0		5.0	5.0	
MUSKEG S	240.0	<0.01		0.5		0.5	0.5	
MUSKEG T	139.0	0.25		34.8		34.8	0.5	34.3
MUSKEG D & KEG RIVER L	429.0	0.15		64.4		64.4	53.1	11.3
MUSKEG P & KEG RIVER R3R	185.0	0.30		55.5		55.5	0.9	54.6
KEG RIVER A	222.0	0.30		66.7		66.7	44.6	22.1
KEG RIVER B WATER FLOOD	397.0	0.32	0.09	127.0	35.7	163.0	123.6	39.4
KEG RIVER C	139.0	0.40		55.8		55.8	47.6	8.2
KEG RIVER D	540.0	<0.14		72.5		72.5	72.5	
KEG RIVER E	620.0	0.35		217.0	ERSO	217.0	205.1	11.9
KEG RIVER F	159.0	<0.15		23.2		23.2	23.2	
KEG RIVER G	461.0	0.20		92.2		92.2	71.9	20.3
KEG RIVER H	636.0	0.26		165.0		165.0	132.9	32.1
KEG RIVER I WATER FLOOD	359.0	0.35	0.13	126.0	46.7	173.0	113.1	59.9
KEG RIVER J	159.0	0.38		60.4		60.4	54.4	6.0
KEG RIVER K	198.0	0.52		103.0		103.0	92.0	11.0
KEG RIVER M	270.0	<0.11		28.5		28.5	28.5	
KEG RIVER N	159.0	0.35		55.7		55.7	39.7	16.0
KEG RIVER O WATER FLOOD	159.0	0.38	0.06	60.4	9.5	70.0	36.3	33.7
KEG RIVER P WATER FLOOD	350.0	0.10	0.26	35.0	91.0	126.0	33.1	92.9
KEG RIVER Q	477.0	0.40		191.0		191.0	49.1	141.9
KEG RIVER R WATER FLOOD	318.0	0.35	0.05	111.0	15.9	127.0	119.6	7.4
KEG RIVER S	270.0	0.30		81.0		81.0	70.4	10.6
KEG RIVER T	524.0	0.12		62.9		62.9	53.4	9.5
KEG RIVER U	381.0	<0.11		39.6		39.6	39.6	
KEG RIVER V	195.0	0.35		68.3		68.3	51.3	17.0
KEG RIVER W	715.0	0.30		215.0		215.0	167.0	48.0
KEG RIVER X	254.0	<0.11		26.3		26.3	26.3	
KEG RIVER Y	250.0	0.40		100.0		100.0	80.1	19.9

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.00	0.210	0.41	0.87	57	849	32	5 150	833.0	1980	85 12 - SUSP 84 04
64	1.50	0.190	0.31	0.87	58	846	30	5 045	810.0	1980	82 03 - SUSP 84 04
64	4.20	0.140	0.45	0.88	47	861	35	9 373	1 073.2	1982	82 12
64	2.00	0.170	0.23	0.79	100	852	64	12 322	1 691.3	1961	84 01
1 948								13 434	1 850.4	1973	82 09
64	3.39	0.100	0.33	0.84							
1 884	5.32	0.174	0.31	0.84							
64	2.35	0.074	0.30	0.86	53	884	69	11 390	1 826.0	1978	83 03
12 667					88	834	102	25 510	2 830.4	1957	80 12
1 745	3.00	0.063	0.27	0.76							
10 922	12.40	0.086	0.18	0.77							
64	1.62	0.073	0.45	0.73	97	852	99	13 438	2 752.8	1983	84 01
64	4.80	0.070	0.35	0.76	80	847	103	10 904	2 855.2	1983	86 12
16	4.90	0.070	0.25	0.85	62	860	50	13 646	1 372.4	1977	84 05
9	53.00	0.070	0.17	0.87	35	865	68	14 400	1 467.9	1968	76 08
19	20.82	0.130	0.15	0.78	85	839	74	15 170	1 515.2	1968	69 04
14	17.70	0.045	0.20	0.81	74	849	71	14 240	1 478.0	1968	85 12
8	32.63	0.080	0.11	0.86	45	865	76	14 730	1 496.0	1968	85 08 - SUSP 86 01
4	19.05	0.100	0.10	0.86	46	870	71	12 440	1 472.2	1969	80 12 - SUSP 80 09
11	26.45	0.090	0.17	0.88	39	881	67	13 860	1 475.2	1969	81 10 - GPP
16	44.20	0.050	0.20	0.74	88	829	72	14 670	1 541.4	1970	86 12
49	12.71	0.046	0.30	0.88	35	881	65	13 580	1 439.8	1971	82 12
65	20.12	0.051	0.17	0.80	80	849	71	14 890	1 500.5	1971	73 02 - SUSP 72 03
13	17.98	0.089	0.11	0.86	53	870	70	11 960	1 481.6	1971	73 12 - SUSP 84 11
65	12.50	0.040	0.35	0.82	106	834	73	12 590	1 486.5	1973	83 12 - SUSP 82 05
64	19.80	0.055	0.15	0.78	89	850	71	16 930	1 505.4	1969	80 06 - GPP
64	27.90	0.080	0.25	0.88	39	882	67	13 301	1 481.0	1983	86 10
64	11.00	0.120	0.11	0.80	45		62	14 491	1 546.5	1983	85 12 - SUSP 85 04
64	5.80	0.060	0.24	0.85	54	876	58	14 358	1 461.3	1983	84 08 - SUSP 85 01
64	5.00	0.062	0.11	0.79	89	860	69	13 925	1 492.6	1985	86 01
49	16.70	0.076	0.17	0.83	75	829	62	15 790	1 596.5	1968	84 12 - GPP
64	7.00	0.080	0.40	0.86	34	794	82	13 677	1 647.5	1981	82 10
10	41.03	0.080	0.15	0.76	106	825	68	15 170	1 545.0	1968	70 02 - GPP
14	38.93	0.094	0.11	0.87	43	849	71	14 670	1 466.7	1968	86 05 - GPP
8	35.30	0.068	0.16	0.90	32	876	64	14 560	1 460.6	1968	71 03
12	66.96	0.090	0.10	0.85	48	860	73	15 000	1 493.5	1968	78 01 - SUSP 77 11
13	68.75	0.094	0.10	0.82	75	849	68	15 200	1 513.0	1967	85 09 - SUSP 85 12
5	37.80	0.130	0.08	0.69	143	876	76	15 130	1 531.0	1968	79 04 - SUSP 79 02
10	88.09	0.077	0.16	0.80	74	839	76	16 030	1 592.0	1968	83 12 - GPP
13	70.46	0.093	0.10	0.83	65	876	77	15 270	1 499.0	1968	85 08 - SUSP 86 01
12	44.50	0.090	0.10	0.83	78	849	71	14 990	1 495.0	1968	83 12 - I.S. NO. 6
11	36.45	0.053	0.14	0.87	50	865	68	14 460	1 462.1	1968	81 10
7	58.14	0.065	0.12	0.85	45	855	70	14 930	1 499.3	1968	81 12
19	28.96	0.078	0.12	0.73	121	815	78	15 070	1 535.9	1968	83 12 - SUSP 81 10
6	47.40	0.073	0.12	0.87	50	865	68	14 550	1 474.6	1968	82 12
6	52.50	0.066	0.12	0.87	43	865	61	14 400	1 467.0	1968	86 05 - GPP
8	74.75	0.081	0.14	0.84	45	860	76	14 960	1 503.6	1968	85 05
15	62.00	0.071	0.14	0.84	58	855	72	14 980	1 504.2	1968	86 07 - GPP
8	56.69	0.100	0.10	0.81	80	876	63	15 090	1 504.2	1968	75 01 - I.S. NO. 6
6	73.52	0.077	0.10	0.82	60	855	71	12 770	1 530.4	1968	82 12 - GPP
22	42.70	0.080	0.15	0.82	69	849	71	14 340	1 494.7	1968	86 12 - GPP
19	30.75	0.100	0.11	0.75	107	829	71	15 470	1 551.7	1968	75 02 - SUSP 73 08
7	37.50	0.110	0.10	0.75	101	839	72	15 170	1 527.7	1968	83 12
11	73.15	0.120	0.09	0.82	68	849	71	15 280	1 515.8	1968	76 05 - SUSP 86 03
6	66.45	0.093	0.12	0.77	96	839	72	15 370	1 538.0	1968	77 03 - SUSP 75 12
19	34.37	0.055	0.20	0.87	47	849	69	14 740	1 478.0	1968	84 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER Z	318.0	0.39	0.09	124.0	28.6	153.0	141.2	11.8
WATER FLOOD								
KEG RIVER AA	572.0	0.18		103.0		103.0	96.6	6.4
KEG RIVER BB	192.0	0.40		76.8		76.8	63.5	13.3
KEG RIVER CC	30.7	0.30		9.2		9.2	5.2	4.0
KEG RIVER DD	110.0	0.30	0.13	33.0	14.0	47.0	31.7	15.3
WATER FLOOD								
KEG RIVER EE	127.0	0.25		31.8		31.8	26.0	5.8
KEG RIVER FF	636.0	0.10		63.6		63.6	30.6	33.0
KEG RIVER GG	636.0	0.09		57.2		57.2	52.5	4.7
KEG RIVER HH	284.0	0.40		114.0		114.0	69.3	44.7
KEG RIVER II	366.0	0.15		54.9		54.9	17.6	37.3
KEG RIVER JJ	556.0	0.30		167.0		167.0	130.4	36.6
KEG RIVER KK	318.0	<0.08		25.0		25.0	25.0	
KEG RIVER LL	95.3	0.30		28.6		28.6	11.0	17.6
KEG RIVER NN	159.0	<0.31		48.6		48.6	48.6	
KEG RIVER OO	159.0	0.15		23.9		23.9	16.2	7.7
KEG RIVER PP	47.7	<0.06		2.8		2.8	2.8	
KEG RIVER QQ	238.0	<0.16		36.2		36.2	36.2	
KEG RIVER RR	1 270.0	<0.08		90.4		90.4	90.4	
KEG RIVER SS	155.0	0.30		46.6		46.6	31.4	15.2
KEG RIVER TT	191.0	<0.13		23.1		23.1	23.1	
KEG RIVER UU	152.0	0.02		3.0		3.0	1.8	1.2
KEG RIVER VV	464.0	0.40		186.0		186.0	152.0	34.0
KEG RIVER WW	300.0	0.30	0.07	90.0	20.0	110.0	96.3	13.7
WATER FLOOD								
KEG RIVER XX	578.0	<0.09		47.4		47.4	47.4	
KEG RIVER YY	200.0	0.40		80.0		80.0	50.6	29.4
KEG RIVER ZZ	238.0	0.35		83.3		83.3	33.8	49.5
KEG RIVER AAA	230.0	0.35	0.13	80.5	29.9	110.0	100.8	9.2
WATER FLOOD								
KEG RIVER BBB	445.0	<0.18		79.9		79.9	79.9	
KEG RIVER CCC TOTAL	250.0			20.0	21.3	41.3	17.3	24.0
PRIMARY AREA	125.0	0.08		10.0		10.0		
WATER FLOOD AREA	125.0	0.08	0.17	10.0	21.3	31.3		
KEG RIVER DDD	191.0	0.07		13.4		13.4	13.4	
KEG RIVER EEE	238.0	<0.10		22.3		22.3	22.3	
KEG RIVER FFF	292.0	<0.01		0.3		0.3	0.3	
KEG RIVER GGG	440.0	0.10	0.08	44.0	36.0	80.0	78.0	2.0
WATER FLOOD								
KEG RIVER HHH	49.6	0.20		9.9		9.9	5.9	4.0
KEG RIVER III	47.7	<0.05		2.1		2.1	2.1	
KEG RIVER JJJ	556.0	<0.05		24.7		24.7	24.7	
KEG RIVER KKK	238.0	0.35		83.3		83.3	72.6	10.7
KEG RIVER LLL	207.0	0.30		62.0		62.0	42.8	19.2
KEG RIVER MMM	95.3	0.35		33.4		33.4	32.1	1.3
KEG RIVER NNN	207.0	0.30		62.0		62.0	51.4	10.6
KEG RIVER OOO	200.0	<0.20	0.03	38.4	6.0	44.4	44.4	
WATER FLOOD								
KEG RIVER PPP	227.0	0.15	0.10	34.2	22.7	56.9	54.0	2.9
WATER FLOOD								
KEG RIVER QQQ	320.0	<0.16		49.0		49.0	49.0	
KEG RIVER RRR	556.0	<0.07		36.1		36.1	36.1	
KEG RIVER SSS	238.0	0.25		59.5		59.5	6.1	53.4
KEG RIVER TTT	444.0	0.26		115.0	ERSO	115.0	112.8	2.2
KEG RIVER UUU	111.0	0.20		22.2		22.2	22.2	
KEG RIVER VVV	37.8	0.30		11.3		11.3	5.1	6.2
KEG RIVER WWW	111.0	<0.10		10.5		10.5	10.5	
KEG RIVER XXX	267.0	0.20		53.4		53.4	41.1	12.3
KEG RIVER YYY	175.0	0.36		62.9		62.9	42.1	20.8
KEG RIVER ZZZ	195.0	0.30		58.6		58.6	53.4	5.2
KEG RIVER A2A	318.0	0.30		95.3		95.3	89.6	5.7
KEG RIVER B2B	331.0	<0.06		17.5		17.5	17.5	
KEG RIVER C2C	397.0	<0.08		31.0		31.0	31.0	
KEG RIVER D2D	370.0	0.25		92.5	ERSO	92.5	89.8	2.7
KEG RIVER E2E	238.0	<0.06		13.2		13.2	13.2	
KEG RIVER F2F	139.0	0.15		20.8	ERSO	20.8	17.6	3.2
KEG RIVER G2G	79.5	<0.01		0.7		0.7	0.7	
KEG RIVER H2H	477.0	0.10		47.7	ERSO	47.7	37.2	10.5
KEG RIVER I2I	180.0	0.35		63.0		63.0	56.5	6.5
KEG RIVER J2J	56.3	0.06		3.4		3.4	3.4	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
10	50.60	0.084	0.10	0.81	75	860	64	14 780	1 489.6	1968	71 09 - I.S. NO. 6
25	47.24	0.073	0.24	0.87	45	849	72	14 860	1 486.8	1968	86 12 - GPP
10	43.30	0.060	0.16	0.88	35	855	67	14 650	1 467.6	1968	83 12
7	27.10	0.025	0.30	0.89	30	860	68	14 450	1 447.2	1968	80 06
9	22.89	0.074	0.13	0.83	67	849	69	14 450	1 481.0	1968	86 02 - GPP
10	21.56	0.090	0.15	0.77	101	839	71	15 310	1 529.5	1968	69 11 - GPP
34	39.51	0.070	0.11	0.76	104	820	70	15 380	1 544.7	1968	85 03 - GPP
51	28.56	0.069	0.14	0.73	120	829	74	15 040	1 541.7	1968	83 12
16	22.56	0.130	0.11	0.68	158	815	79	15 450	1 570.3	1968	86 12
9	68.00	0.085	0.20	0.88	46	876	63	14 690	1 482.9	1968	86 12
19	50.11	0.081	0.16	0.84	53	870	69	14 740	1 475.8	1968	70 02 - GPP
17	36.82	0.080	0.15	0.73	124	834	69	15 290	1 554.2	1968	78 10 - SUSP 77 10
10	17.98	0.079	0.19	0.80	74	844	70	15 620	1 632.2	1968	75 12
4	47.25	0.110	0.09	0.84	56	870	62	14 580	1 476.1	1968	83 12 - SUSP 81 12
9	33.78	0.070	0.13	0.86	50	865	68	14 160	1 464.3	1968	82 12 - SUSP 84 07
6	17.25	0.067	0.20	0.85	72	844	71	13 620	1 492.9	1969	70 02 - SUSP 73 03
19	26.16	0.082	0.20	0.73	118	839	72	15 452	1 545.3	1969	78 07 - SUSP 83 09
57	39.32	0.076	0.12	0.85	43	860	69	14 820	1 481.3	1969	84 12 - SUSP 84 01
19	32.40	0.040	0.25	0.84	58	876	66	14 620	1 474.3	1969	70 06
9	38.25	0.083	0.10	0.75	107	834	71	15 360	1 549.0	1969	77 05 - SUSP 77 02
34	18.04	0.040	0.25	0.82	69	849	71	13 570	1 484.0	1969	86 12 - GPP
13	63.98	0.081	0.15	0.84	65	860	70	14 618	1 483.8	1969	85 08
16	25.00	0.098	0.09	0.84	64	860	70	14 740	1 501.1	1969	86 02 - GPP
17	33.89	0.140	0.08	0.78	92	829	76	15 380	1 553.0	1969	77 11 - ABAND 76 11
6	56.70	0.094	0.12	0.77	91	834	76	15 130	1 547.5	1969	81 10 - SUSP 83 03
15	27.77	0.080	0.20	0.88	40	855	70	14 480	1 467.3	1969	86 12 - GPP
11	44.00	0.070	0.15	0.80	84	839	71	14 960	1 494.4	1968	83 12 - IS NO 6
8	65.23	0.120	0.10	0.78	93	834	72	15 310	1 532.2	1969	82 12 - SUSP 80 07
8					47	855	71	14 406	1 504.0	1969	85 04
4	3.40	0.120	0.10	0.84							
4	70.50	0.060	0.12	0.84							
7	44.00	0.082	0.11	0.85	50	865	68	13 220	1 469.4	1969	83 12 - SUSP 81 12
5	57.24	0.107	0.12	0.84	54	865	71	12 670	1 501.1	1969	70 10 - SUSP 72 07
65	6.40	0.100	0.15	0.83	69	849	71	13 340	1 482.5	1969	70 12 - SUSP 70 01
11	51.27	0.102	0.10	0.85	53	865	70	13 970	1 495.3	1969	86 02 - GPP
8	24.78	0.037	0.24	0.89	40	860	68	13 930	1 442.9	1969	84 06 - GPP
8	15.54	0.064	0.24	0.82	71	839	71	13 510	1 498.4	1969	74 05 - ABAND 70 11
21	40.39	0.094	0.15	0.82	62	865	72	14 250	1 529.5	1969	79 12 - SUSP 83 08
7	47.89	0.094	0.09	0.83	67	849	71	14 600	1 504.8	1969	83 12
14	39.32	0.053	0.20	0.90	30	870	68	14 280	1 460.3	1969	70 07 - GPP
14	24.54	0.040	0.22	0.88	46	855	71	14 380	1 476.5	1969	70 07 - GPP
22	27.01	0.050	0.20	0.86	44	870	68	14 310	1 463.3	1969	70 03
4	82.75	0.080	0.10	0.84	59	844	66	11 660	1 506.0	1969	86 02 - SUSP 79 12
11	60.96	0.047	0.14	0.84	60	855	68	13 810	1 498.1	1969	76 12 - GPP - IS NO 5
18	45.80	0.072	0.13	0.62	210	820	78	15 530	1 586.2	1969	83 12 - SUSP 82 02
15	65.00	0.096	0.11	0.65	171	815	78	15 180	1 570.9	1969	83 12 - SUSP 81 06
6	72.92	0.080	0.20	0.85	52	870	71	13 910	1 524.0	1969	86 03
11	60.27	0.095	0.13	0.81	71	855	74	15 220	1 534.7	1969	85 11 - GPP
8	37.88	0.069	0.17	0.64	192	811	82	15 470	1 595.6	1969	85 12 - SUSP 82 01
5	26.52	0.044	0.21	0.82	66	876	75	13 210	1 511.5	1969	75 12
7	21.34	0.110	0.12	0.74	118	829	71	14 800	1 539.9	1969	75 12 - SUSP 75 06
162	30.48	0.075	0.15	0.85	30	865	68	14 460	1 455.1	1969	79 12 - GPP
16	30.80	0.069	0.15	0.73	123	829	72	15 240	1 540.8	1969	71 09 - GPP
22	33.38	0.047	0.30	0.80	64	849	70	13 850	1 477.7	1969	70 06
6	77.11	0.100	0.09	0.80	84	844	76	15 100	1 534.4	1969	70 08 - SUSP 84 01
20	26.49	0.090	0.23	0.89	34	870	70	13 560	1 456.6	1969	75 12 - SUSP 75 02
10	48.83	0.105	0.11	0.87	41	881	64	13 130	1 464.6	1969	80 01 - SUSP 83 09
9	76.78	0.077	0.12	0.79	77	844	73	14 730	1 531.6	1969	85 11 - GPP
12	33.89	0.079	0.15	0.86	48	870	69	11 190	1 490.8	1969	73 02 - SUSP 72 12
11	24.08	0.085	0.17	0.76	104	834	73	15 130	1 520.0	1969	70 06 - GPP - IS NO 7
11	28.65	0.045	0.32	0.83	62	849	71	14 500	1 497.5	1969	73 02 - SUSP 71 07
17	40.54	0.103	0.12	0.78	90	849	71	14 710	1 510.0	1969	82 12 - GPP - IS NO 7
10	34.74	0.070	0.15	0.87	43	860	70	14 130	1 467.6	1970	83 12
11	29.19	0.033	0.23	0.69	125	815	82	15 480	1 606.0	1970	79 01 - SUSP 80 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER K2K	636.0	0.17		108.0		108.0	100.4	7.6
KEG RIVER L2L	253.0	0.17		43.0		43.0	34.0	9.0
KEG RIVER M2M	259.0	0.15		38.9		38.9	26.6	12.3
KEG RIVER N2N	348.0	0.18		62.6		62.6	56.1	6.5
KEG RIVER O2O	238.0	<0.08		18.8		18.8	18.8	
KEG RIVER P2P	191.0	<0.02		3.6		3.6	3.6	
KEG RIVER Q2Q	74.8	0.36		27.0	ERSO	27.0	1.9	25.1
KEG RIVER R2R WATER FLOOD	397.0	0.07	0.08	27.8	31.8	59.6	46.9	12.7
KEG RIVER S2S	270.0	0.40		108.0		108.0	64.5	43.5
KEG RIVER T2T	203.0	0.30		61.0		61.0	41.3	19.7
KEG RIVER U2U	421.0	0.11		46.3		46.3	41.5	4.8
KEG RIVER V2V	101.0	0.35		35.4		35.4	18.2	17.2
KEG RIVER W2W	636.0	0.07		45.0		45.0	45.0	
KEG RIVER X2X	397.0	0.15		59.6		59.6	52.5	7.1
KEG RIVER Y2Y	747.0	0.15		112.0		112.0	75.9	36.1
KEG RIVER Z2Z	643.0	0.25		161.0		161.0	12.4	148.6
KEG RIVER A3A	254.0	0.35		89.0		89.0	75.6	13.4
KEG RIVER B3B	477.0	0.08		38.0		38.0	33.2	4.8
KEG RIVER C3C	159.0	<0.20		30.9		30.9	30.9	
KEG RIVER D3D	111.0	0.35		38.9		38.9	29.0	9.9
KEG RIVER E3E	556.0	0.12		66.7		66.7	50.7	16.0
KEG RIVER F3F	404.0	0.03		12.1		12.1	9.6	2.5
KEG RIVER G3G	310.0	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	7.4	26.5
KEG RIVER I3I	248.0	<0.02		4.3		4.3	3.7	0.6
KEG RIVER J3J	397.0	0.15		59.6		59.6	54.9	4.7
KEG RIVER L3L	65.3	<0.01		0.2		0.2	0.2	
KEG RIVER N3N	353.0	0.25		88.3		88.3	24.1	64.2
KEG RIVER O3O	74.3	0.30		22.3		22.3	6.9	15.4
KEG RIVER P3P	384.0	<0.01		0.3		0.3	0.3	
KEG RIVER Q3Q	327.0	0.30		98.1		98.1	20.0	78.1
KEG RIVER S3S	91.6	0.10		9.2		9.2	2.6	6.6
KEG RIVER T3T	110.0	0.25		27.5		27.5	2.3	25.2
KEG RIVER U3U	130.0	0.40		52.0		52.0	12.9	39.1
KEG RIVER V3V	600.0	0.30		180.0		180.0	16.7	163.3
KEG RIVER W3W	115.0	0.25		28.8		28.8	0.4	28.4
KEG RIVER X3X	93.3	0.30		28.0		28.0	2.2	25.8
KEG RIVER Y3Y	362.0	0.25		90.5		90.5	1.9	88.6
KEG RIVER Z3Z	50.0	0.25		12.5		12.5	1.3	11.2
KEG RIVER A4A	600.0	0.30		180.0		180.0	8.0	172.0
KEG RIVER B4B	300.0	0.30		90.0		90.0	12.4	77.6
KEG RIVER C4C	453.0	0.25		113.0		113.0	7.1	105.9
KEG RIVER D4D	500.0	0.30		150.0		150.0	8.1	141.9
KEG RIVER E4E	156.0	0.25		39.0		39.0	2.0	37.0
KEG RIVER F4F	3 520.0	0.25		880.0		880.0	6.7	873.3
KEG RIVER G4G	600.0	0.25		150.0		150.0	8.1	141.9
KEG RIVER H4H	983.0	0.25		246.0		246.0	7.9	238.1
KEG RIVER J4J	332.0	0.25		83.0		83.0	4.0	79.0
WANYANDIE 060-27W5								
CARDIUM A	242.0	0.10		24.2		24.2	5.3	18.9
CARDIUM B	424.0	0.10		42.4		42.4	0.1	42.3
CARDIUM C	397.0	0.05		19.9		19.9	1.3	18.6
WAPITI 067-06W6								
CARDIUM A	13 600.0	0.10		1 360.0		1 360.0	63.2	1 296.8
DUNVEGAN A	304.0	0.10		30.4		30.4	1.6	28.8
WASKAHIGAN 064-23W5								
DUNVEGAN A	3 000.0	0.05		150.0		150.0	92.2	57.8
DUNVEGAN C	520.0	0.05		26.0		26.0	11.7	14.3
WATELET 047-26W4								
BELLY RIVER B	281.0	0.01		2.8		2.8	1.6	1.2
ELLERSLIE A	320.0	0.15		48.0		48.0	36.6	11.4
WATTS 031-16W4								
LOWER MANNVILLE A	139.0	0.10		13.9		13.9	4.6	9.3
LOWER MANNVILLE B	167.0	0.10		16.7		16.7	3.9	12.8
BANFF A	50.0	0.10		5.0		5.0	1.8	3.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m³/m³	kg/m³	°C	kPa	m		
9	78.15	0.114	0.08	0.83	63	849	70	11 050	1 521.6	1970	82 12 - GPP
11	43.56	0.070	0.17	0.88	37	865	68	13 720	1 471.0	1970	82 12 - GPP
23	27.22	0.061	0.20	0.86	45	834	72	13 880	1 474.6	1970	85 12
15	36.09	0.085	0.10	0.82	70	849	73	13 360	1 501.4	1970	86 12 - GPP
12	44.35	0.061	0.20	0.88	38	855	68	14 370	1 457.6	1970	82 12 - SUSP 84 05
13	33.83	0.075	0.20	0.75	92	829	76	14 930	1 563.6	1970	75 03 - SUSP 75 03
8	30.48	0.050	0.20	0.80	90	849	72	13 890	1 524.6	1970	73 02 - GPP - IS NO 7
16	46.02	0.075	0.10	0.82	68	860	70	11 400	1 491.8	1970	75 12 - GPP
13	40.93	0.075	0.10	0.78	90	839	72	14 040	1 513.9	1970	71 09 - GPP
6	50.66	0.085	0.10	0.81	53	849	79	12 600	1 500.2	1971	75 12 - GPP
10	48.77	0.120	0.10	0.80	76	849	73	12 450	1 523.1	1971	84 12
11	48.89	0.030	0.23	0.82	80	849	73	14 530	1 508.5	1971	72 07 - GPP
13	91.74	0.073	0.10	0.84	89	865	70	10 450	1 512.4	1971	81 12 - SUSP 84 11
11	49.07	0.105	0.18	0.86	53	865	70	10 640	1 476.5	1972	83 12 - GPP
11	72.40	0.120	0.07	0.84	57	855	69	12 500	1 495.3	1972	84 07
17	61.10	0.087	0.21	0.90	33	870	60	6 235	1 483.1	1972	86 10
12	45.72	0.070	0.15	0.77	89	829	81	15 240	1 531.9	1972	73 05
10	54.86	0.120	0.10	0.83	51	865	72	14 360	1 496.3	1972	85 12 - GPP
7	32.80	0.090	0.10	0.87	53	870	69	14 880	1 467.9	1973	82 12 - SUSP 81 12
5	31.18	0.095	0.18	0.87	33	876	65	13 810	1 449.6	1973	74 05 - GPP
9	55.17	0.136	0.10	0.87	43	870	62	14 270	1 471.6	1973	86 12 - GPP
39	15.88	0.100	0.23	0.85	59	855	67	14 040	1 473.1	1973	79 12 - GPP
29	21.46	0.072	0.18	0.85	57	855	69	12 580	1 481.3	1973	78 03 - SUSP 78 02
13	22.70	0.050	0.18	0.80	89	839	60	15 670	1 574.0	1974	74 12 - GPP
32	19.51	0.063	0.20	0.80	76	829	70	15 220	1 539.8	1969	85 12 - SUSP 85 03
12	54.25	0.090	0.20	0.84	66	849	72	15 060	1 490.5	1977	83 12 - GPP
8	22.60	0.060	0.30	0.86	35	850	68	14 380	1 459.0	1980	82 12 - SUSP 81 02
16	42.00	0.072	0.12	0.83	35	852	77	15 240	1 496.0	1981	81 09
8	22.50	0.060	0.20	0.86	46	835	64	9 278	1 584.8	1981	85 12 - SUSP 86 02
64	19.50	0.055	0.30	0.80	77	854	55	14 163	1 541.3	1982	86 12 - SUSP 86 02
16	27.00	0.110	0.20	0.86	34	850	65	14 724	1 555.5	1982	85 12
16	18.00	0.050	0.26	0.86	49	872	70	14 000	1 454.5	1983	85 06 - SUSP 85 03
4	46.48	0.080	0.13	0.85	58	860	71	7 346	1 502.5	1982	84 06
8	52.70	0.047	0.21	0.85	48	854	85	11 105	1 484.8	1984	85 09
13	52.59	0.116	0.11	0.85	51	862	71	8 550	1 495.1	1984	86 06
64	15.90	0.026	0.50	0.87	43	890	68	13 765	1 443.1	1984	85 04 - SUSP 85 05
30	20.33	0.030	0.40	0.85	51	871	71	8 550	1 457.9	1985	86 06
64	32.30	0.032	0.25	0.73	104	844	73	14 717	1 498.2	1984	85 08
4	37.60	0.051	0.25	0.87	30	878	68	8 452	1 467.4	1985	86 03
23	38.85	0.092	0.18	0.89	38	858	68	6 557	1 474.5	1985	86 08
23	30.83	0.069	0.16	0.73	104	875	73	14 755	1 533.2	1985	86 09
64	13.00	0.080	0.20	0.85	58	850	72	10 018	1 569.5	1985	86 01
11	77.68	0.081	0.16	0.86	30	873	68	6 849	1 486.7	1985	86 06
64	10.00	0.040	0.29	0.86	30	875	68	6 849	1 444.0	1985	86 01
64	73.90	0.095	0.13	0.90	33	889	70	6 235	1 496.5	1985	86 03
15	53.38	0.099	0.13	0.87	43	877	68	8 481	1 476.5	1985	86 04
64	31.00	0.096	0.40	0.86	241	891	68	7 647	1 504.5	1985	86 08
64	28.70	0.034	0.30	0.76	106	872	68	15 169	1 531.2	1985	86 09
64	15.39	0.066	0.40	0.62	134	817	65	15 170	2 232.7	1980	81 06
64	17.80	0.077	0.22	0.62	180	780	65	14 500	2 149.6	1982	83 03
64	15.90	0.090	0.30	0.62	134	823	65	15 186	2 154.8	1980	85 12
2 492	8.15	0.113	0.25	0.79	98	810	40	10 462	1 406.5	1982	85 12
128	2.66	0.150	0.30	0.85	50	842	54	8 000	1 651.7	1985	86 07
698	5.77	0.145	0.35	0.79	76	834	57	10 240	1 539.2	1967	85 08 - GPP
128	4.61	0.180	0.38	0.79	88	831	40	7 832	1 523.7	1981	85 08 - GPP
64	3.00	0.250	0.35	0.90	28	865	31	5 270	723.0	1981	83 12 - SUSP 86 01
147	2.08	0.160	0.25	0.87	51	898	52	11 050	1 475.3	1965	83 12 - GPP
64	2.00	0.210	0.40	0.86	56	850	32	9 146	1 217.5	1982	82 08
64	2.90	0.170	0.40	0.88	49	867	37	9 274	1 206.6	1984	85 01
64	4.86	0.035	0.46	0.85	61	849	42	8 000	1 255.9	1970	86 10

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WATTS 031-16W4 (CONTINUED)								
BANFF C	557.0	0.10		55.7	ERSO	55.7	15.2	40.5
BANFF D	829.0	0.10		82.9		82.9	8.9	74.0
BANFF G	114.0	0.10		11.4		11.4	0.4	11.0
BANFF H	5 030.0	0.15		755.0		755.0		755.0
BANFF J	89.1	0.15		13.4		13.4	0.7	12.7
BANFF L	235.0	0.15		35.3		35.3	9.6	25.7
BANFF M	168.0	0.15		25.2		25.2		25.2
WAYNE-ROSEDALE 027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.1	2.2
VIKING M	107.0	0.10		10.6		10.6	4.2	6.4
UPPER MANNVILLE E	351.0	0.01		3.5		3.5	1.5	2.0
GLAUCONITIC F	159.0	0.01		1.6		1.6	0.9	0.7
GLAUCONITIC L	130.0	0.10		13.0		13.0	4.6	8.4
GLAUCONITIC M	435.0	0.01		4.4		4.4	2.0	2.4
GLAUCONITIC N	213.0	0.01		2.1		2.1	1.5	0.6
GLAUCONITIC DD	93.7	0.10		9.4		9.4	0.4	9.0
GLAUCONITIC EE	105.0	0.10		10.5		10.5	0.6	9.9
OSTRACOD D	78.3	0.10		7.8		7.8	3.7	4.1
OSTRACOD J	175.0	0.10		17.5		17.5	1.3	16.2
BASAL QUARTZ A	159.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ B	10 900.0	0.08		872.0		872.0	520.4	351.6
BASAL QUARTZ E	3 380.0	0.03		101.0		101.0	58.1	42.9
BASAL QUARTZ F	105.0	0.10		10.5		10.5	9.5	1.0
BASAL QUARTZ G	77.5	<0.01		0.1		0.1	0.1	
BASAL QUARTZ H	157.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149.0	0.04		6.0		6.0	5.2	0.8
BASAL QUARTZ U	532.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ AA	498.0	<0.01		2.3		2.3	2.3	
BASAL QUARTZ BB	357.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ DD	549.0	0.01		5.5		5.5	2.5	3.0
BASAL QUARTZ EE	205.0	<0.01		0.1		0.1		0.1
BASAL QUARTZ FF	156.0	0.10		15.6		15.6	0.1	15.5
BASAL QUARTZ GG	2 120.0	0.12		254.0		254.0	72.1	181.9
BASAL QUARTZ NN	291.0	0.10		29.1		29.1	0.1	29.0
BASAL QUARTZ OO	463.0	0.10		46.3		46.3	10.3	36.0
BASAL QUARTZ PP	441.0	0.02		8.8		8.8	4.3	4.5
BASAL QUARTZ QQ	184.0	0.10		18.4		18.4	3.6	14.8
BASAL QUARTZ RR	150.0	0.10		15.0		15.0	4.1	10.9
BASAL QUARTZ VV	424.0	0.02		8.5		8.5	1.6	6.9
BASAL QUARTZ AAA	219.0	0.10		21.9		21.9	2.1	19.8
BASAL QUARTZ BBB	78.6	0.10		7.9		7.9	0.1	7.8
BASAL QUARTZ CCC	126.0	0.10		12.6		12.6	0.2	12.4
BANFF C	300.0	0.15		45.0		45.0	23.5	21.5
WEMBLEY 073-08W6								
CHARLIE LAKE A	90.1	0.10		9.0		9.0	4.9	4.1
CHARLIE LAKE B	177.0	0.10		17.7		17.7	7.2	10.5
CHARLIE LAKE C	146.0	0.10		14.6		14.6	1.8	12.8
CHARLIE LAKE D	66.3	0.15		9.9		9.9	8.2	1.7
HALFWAY R	49.6	0.01		0.5		0.5	0.5	
HALFWAY S	103.0	<0.01		0.1		0.1		0.1
HALFWAY T	164.0	0.15		24.6		24.6	2.8	21.8
HALFWAY B	20 000.0	0.20		4 000.0		4 000.0	842.3	3 157.7
DOIG E	1 800.0	0.10		180.0		180.0	73.7	106.3
DOIG F	71.0	0.15		10.7		10.7	0.7	10.0
DOIG G	1 200.0	0.15		180.0		180.0	15.8	164.2
WERNER 034-12W4								
GLAUCONITIC A	247.0	0.10		24.7		24.7	0.6	24.1
WEST COVE 055-06W5								
NORDEGG-BANFF A	895.0	0.05		44.8		44.8	2.1	42.7
NORDEGG-BANFF B	144.0	<0.01		0.1		0.1	0.1	
WEST DRUMHELLER 030-20W4								
D-2 A	7 170.0	0.65		4 660.0		4 660.0	4 395.3	264.7
D-2 B	30.4	<0.01		0.1		0.1	0.1	
IRETON A	326.0	0.15		48.9		48.9	42.2	6.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
259	2.36	0.150	0.31	0.88	58	862	40	8 300	1 271.3	1984	86 11
384	5.72	0.060	0.26	0.85	60	864	39	8 000	1 225.5	1984	85 12
64	6.30	0.045	0.26	0.85	60	882	45	9 200	1 246.8	1985	86 03
384	24.70	0.080	0.22	0.85	55	860	47	8 200	1 252.2	1986	86 12
64	7.00	0.030	0.12	0.85	66	860	33	9 300	1 257.3	1982	86 06
64	3.60	0.150	0.20	0.85	61	849	42	8 000	1 247.8	1981	86 10
64	13.00	0.035	0.23	0.75	113	880	40	13 928	1 234.7	1982	86 11
65	0.91	0.220	0.35	0.87	54	811	39	6 571	1 042.4	1973	76 05 - GPP
65	1.22	0.240	0.35	0.87	54	811	32	7 920	1 053.7	1977	78 12
32	14.00	0.140	0.30	0.80	88	857	40	10 040	1 437.3	1979	83 12 - GPP
65	1.86	0.200	0.20	0.82	80	829	43	9 690	1 351.0	1961	82 12 - GPP
64	3.10	0.140	0.46	0.87	53	876	46	9 970	1 338.5	1973	79 01 - GPP
64	5.50	0.230	0.39	0.88	47	892	46	9 570	1 339.0	1978	80 12 - GPP
32	6.10	0.180	0.25	0.81	64	856	52	9 437	1 224.8	1958	83 12 - GPP
64	2.20	0.150	0.49	0.87	50	869	45	7 100	1 329.5	1984	85 07
64	1.90	0.170	0.39	0.83	66	860	43	8 974	1 218.7	1984	85 12
64	1.50	0.170	0.40	0.80	98	869	39	8 953	1 446.3	1980	81 07 - GPP
128	1.07	0.210	0.24	0.80	62	870	43	8 932	1 414.5	1980	86 12
36	7.32	0.165	0.55	0.82	71	815	41	9 660	1 363.4	1968	74 12 - SUSP 69 12
1 463	11.83	0.160	0.52	0.82	71	870	44	10 340	1 369.2	1954	86 01 - GPP
512	9.56	0.147	0.46	0.87	48	878	47	10 270	1 352.7	1962	83 12 - GPP
110	1.00	0.170	0.30	0.80	74	870	48	9 650	1 371.9	1957	86 12 - GPP
16	10.70	0.123	0.55	0.81	71	870	43	9 790	1 374.3	1962	63 02 - ABAND 63 08
16	9.14	0.180	0.27	0.81	74	870	48	10 070	1 440.8	1961	71 05 - ABAND 83 02
65	2.44	0.226	0.49	0.82	53	860	38	8 270	1 445.4	1959	78 10 - GPP
65	6.71	0.220	0.32	0.82	74	865	49	9 900	1 364.6	1972	73 02 - ABAND 72 06
64	7.50	0.190	0.35	0.84	68	857	38	9 290	1 414.8	1979	85 12 - ABAND 81 08
64	8.20	0.160	0.50	0.85	68	857	40	9 700	1 455.9	1979	82 12 - ABAND 81 05
64	11.00	0.150	0.35	0.80	67	857	41	8 586	1 360.9	1979	83 12 - GPP
64	4.39	0.140	0.35	0.80	88	857	41	10 515	1 494.0	1979	83 12 - SUSP 81 09
64	3.90	0.120	0.35	0.80	88	857	44	10 091	1 443.3	1979	80 08 - SUSP 83 12
712	4.90	0.146	0.48	0.80	63	862	38	9 649	1 359.7	1980	83 06
64	6.00	0.170	0.45	0.81	58	883	39	9 636	1 390.3	1981	82 11 - SUSP 84 02
128	9.30	0.120	0.60	0.81	72	863	38	9 620	1 203.2	1981	85 12
64	12.00	0.140	0.50	0.82	70	872	47	9 834	1 288.5	1981	86 12
64	5.00	0.140	0.50	0.82	70	882	47	9 781	1 254.2	1980	83 01
64	5.30	0.120	0.55	0.82	74	819	39	8 723	1 229.2	1982	83 01
64	9.40	0.160	0.45	0.80	60	876	52	9 554	1 336.3	1980	85 12
64	5.50	0.130	0.45	0.87	50	866	41	8 724	1 236.4	1984	85 07
64	2.94	0.120	0.60	0.87	50	893	41	10 358	1 327.9	1984	85 07 - SUSP 86 04
64	4.70	0.120	0.60	0.87	53	885	40	8 723	1 132.5	1984	85 12
193	2.80	0.140	0.51	0.81	59	877	36	9 856	1 385.6	1980	86 12
64	2.00	0.110	0.20	0.80	75	832	59	19 660	2 077.4	1981	86 12
64	3.00	0.139	0.15	0.78	183	832	83	19 546	2 064.3	1980	81 05
64	2.80	0.120	0.13	0.78	91	845	72	19 521	2 189.2	1982	86 02
74	2.00	0.080	0.20	0.70	135	840	66	24 435	2 027.0	1979	86 02
64	2.55	0.090	0.48	0.65	183	807	83	21 443	2 225.5	1984	85 07 - SUSP 85 09
64	3.00	0.130	0.41	0.70	183	820	82	21 443	2 144.3	1985	86 04 - SUSP 85 02
128	2.38	0.110	0.33	0.73	123	820	76	18 588	2 159.0	1985	86 08
6 618	6.05	0.104	0.26	0.65	180	802	80	22 421	2 128.3	1978	86 06
400	13.00	0.070	0.26	0.67	162	802	76	21 795	2 162.4	1984	86 02 - GPP
64	2.90	0.070	0.19	0.67	140	838	73	21 141	2 143.6	1984	84 12
192	18.14	0.075	0.28	0.64	171	809	81	23 258	2 322.1	1982	86 02
64	3.50	0.200	0.40	0.92	31	867	34	10 985	1 067.3	1981	82 06
64	16.17	0.156	0.37	0.88	50	904	45	11 321	1 468.9	1980	85 04 - GPP
32	6.70	0.120	0.39	0.92	27	919	43	8 855	1 460.1	1984	85 06 - SUSP 85 07
1 730	14.00	0.050	0.20	0.74	120	815	56	13 790	1 674.3	1952	83 12 - GPP
64	2.00	0.045	0.40	0.88	120	833	44	13 384	1 700.0	1985	85 11 - SUSP 85 08
445	3.05	0.040	0.25	0.80	78	811	64	13 992	1 712.4	1967	80 04 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED -RESERVES
	10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	10^3m^3	10^3m^3
WEST DRUMHELLER 030-20W4 (CONTINUED)								
D-3 A	1 250.0	0.65		813.0		813.0	749.6	63.4
WESTEROSE 046-28W4								
D-3	31 000.0	0.71		22 000.0		22 000.0	19 073.2	2 926.8
WESTEROSE SOUTH 043-02W5								
BASAL QUARTZ A	256.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ D	359.0	0.10		35.9		35.9	0.8	35.1
BANFF A	144.0	<0.01		0.3		0.3	0.3	
WESTPEM 049-13W5								
OSTRACOD A	249.0	0.10		24.9		24.9	5.8	19.1
OSTRACOD B	78.0	0.10		7.8		7.8	2.0	5.8
OSTRACOD C	39.2	<0.01		0.1		0.1		0.1
NISKU A SOLVENT FLOOD	2 650.0	0.40	0.35	1 060.0	928.0	1 990.0	900.4	1 089.6
NISKU C SOLVENT FLOOD	4 000.0	0.40	0.40	1 600.0	1 600.0	3 200.0	1 256.8	1 943.2
NISKU D SOLVENT FLOOD	2 200.0	0.40	0.30	880.0	660.0	1 540.0	754.7	785.3
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		0.5		0.5	0.5	
JURASSIC K	82.6	0.10		8.3		8.3	3.8	4.5
WHITEMUD 051-25W4								
BLAIRMORE	238.0	<0.18		42.2		42.2	42.2	
WILDWOOD 054-09W5								
BASAL QUARTZ A	204.0	0.02		4.1		4.1	1.9	2.2
WILLESDEN GREEN 042-07W5								
BELLY RIVER A WATER FLOOD	1 220.0	0.06	0.06	73.2	73.2	146.0	98.3	47.7
BELLY RIVER B	1 910.0	0.02		38.1		38.1	35.3	2.8
BELLY RIVER C	42.4	<0.09		3.7		3.7	3.7	
BELLY RIVER H	260.0	0.10		26.0		26.0	17.6	8.4
BELLY RIVER J	159.0	0.10		15.9		15.9	12.0	3.9
BELLY RIVER L	307.0	<0.03		8.1		8.1	8.1	
BELLY RIVER M	351.0	<0.01		0.1		0.1		0.1
BELLY RIVER N	186.0	<0.01		0.1		0.1	0.1	
BELLY RIVER O	325.0	0.03		9.8		9.8	2.4	7.4
BELLY RIVER Q	359.0	<0.01		0.6		0.6	0.6	
BELLY RIVER R	256.0	0.05		12.8		12.8	1.8	11.0
BELLY RIVER S	314.0	0.10		31.4		31.4	0.1	31.3
BELLY RIVER T	165.0	0.02		3.3		3.3	1.1	2.2
BELLY RIVER V	609.0	0.10		60.9		60.9	9.6	51.3
BELLY RIVER Y	171.0	0.10		17.1		17.1	0.4	16.7
BELLY RIVER Z	124.0	0.10		12.4		12.4	0.4	12.0
BELLY RIVER BB	185.0	0.10		18.5		18.5	1.4	17.1
BELLY RIVER DD	70.1	0.10		7.0		7.0		7.0
BELLY RIVER W&X	250.0	0.03		7.5		7.5	0.4	7.1
CARDIUM A TOTAL	120 000.0			10 100.0	15 200.0	25 300.0	16 433.3	8 866.7
PRIMARY AREA	16 000.0	0.08		1 280.0		1 280.0		
SOLVENT FLOOD AREA	35 600.0	0.07	0.07	2 480.0	2 480.0	5 000.0		
WATER FLOOD AREA	68 500.0	0.09	0.18	6 320.0	12 700.0	19 000.0		
CARDIUM D	122.0	0.07		8.6		8.6	0.1	8.5
CARDIUM E	409.0	0.10		40.9		40.9	24.8	16.1
CARDIUM G	88.2	0.05		4.4		4.4	1.7	2.7
CARDIUM H	170.0	0.08		13.6		13.6	10.1	3.5
CARDIUM I	190.0	0.10		19.0		19.0	4.6	14.4
CARDIUM J	243.0	0.02		4.9		4.9	1.8	3.1
CARDIUM K	86.9	0.10		8.7		8.7	1.3	7.4
SECOND WHITE SPECKS A	35.0	0.18		6.3		6.3	5.8	0.5
SECOND WHITE SPECKS B	730.0	0.02		14.6		14.6	6.2	8.4
SECOND WHITE SPECKS C	108.0	0.10		10.8		10.8	7.3	3.5

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	°C	kPa	m		
272	7.50	0.087	0.13	0.81	69	839	57	14 070	1 723.3	1954	85 12 - GPP - MRL
652	72.20	0.105	0.07	0.67	166	820	82	17 930	2 204.6	1952	83 12
64	5.50	0.130	0.30	0.80	86	882	60	12 635	1 889.8	1980	83 12 - SUSP 81 08
64	5.00	0.165	0.15	0.80	85	851	59	16 249	1 852.0	1984	85 04
64	2.80	0.130	0.24	0.80	90	910	49	12 886	1 771.6	1980	84 12 - SUSP 82 12
64	4.00	0.150	0.10	0.72	125	811	88	17 037	2 462.0	1981	82 11
64	2.40	0.083	0.15	0.72	110	778	80	32 200	2 432.7	1983	84 09
64	1.70	0.085	0.20	0.53	165	805	97	20 050	2 738.7	1985	86 05 - SUSP 86 02
62	76.48	0.090	0.15	0.64	208	815	100	38 230	2 929.4	1977	82 08
60	90.35	0.110	0.14	0.78	130	824	104	31 915	3 033.0	1979	85 02
74	59.30	0.100	0.09	0.55	328	798	104	40 962	3 139.3	1979	82 08
65	0.61	0.170	0.40	0.80	82	844	66	8 290	1 252.4	1968	71 05 - ABAND 70 05
64	3.00	0.110	0.54	0.85	52	864	68	11 050	1 719.8	1976	86 10
81	3.47	0.150	0.30	0.81	77	839	53	9 030	1 244.2	1949	74 12 - ABAND 70 09
64	4.20	0.130	0.20	0.73	128	839	65	16 374	1 767.5	1980	86 12
324	4.24	0.140	0.28	0.88	62	815	53	9 070	1 538.3	1961	85 12 - GPP
453	4.82	0.137	0.23	0.83	62	815	54	9 140	1 568.8	1956	75 12 - GPP
30	1.22	0.200	0.30	0.83	60	815	53	8 960	1 531.0	1961	73 02 - ABAND 64 10
64	6.85	0.130	0.45	0.83	62	820	47	9 220	1 597.2	1967	84 05
195	0.91	0.154	0.30	0.83	59	815	52	9 530	1 525.8	1972	85 12
65	5.18	0.153	0.28	0.83	67	815	53	8 960	1 486.5	1963	80 12 - SUSP 85 07
64	6.30	0.150	0.30	0.83	58	815	52	9 530	1 390.0	1978	82 12 - SUSP 80 01
64	4.50	0.130	0.40	0.83	65	825	56	8 144	1 410.8	1981	83 12 - SUSP 82 06
64	5.90	0.140	0.26	0.83	66	831	42	8 636	1 461.2	1982	86 12 - GPP
64	5.30	0.150	0.15	0.83	65	773	55	6 250	1 532.1	1982	85 12 - ABAND 82 12
64	7.30	0.120	0.45	0.83	61	835	55	8 214	1 402.1	1982	85 12 - GPP
64	6.50	0.130	0.30	0.83	61	835	55	9 396	1 619.8	1978	84 03 - SUSP 84 02
64	3.70	0.120	0.30	0.83	61	835	55	10 233	1 578.7	1983	86 12
128	6.30	0.130	0.30	0.83	61	834	55	9 360	1 561.2	1979	84 05
64	4.60	0.140	0.50	0.83	61	835	55	14 471	1 574.0	1962	84 09
64	2.00	0.180	0.35	0.83	70	844	40	7 457	1 509.0	1983	84 09 - SUSP 86 07
64	4.59	0.152	0.50	0.83	70	835	51	9 200	1 460.8	1984	85 03
64	2.00	0.120	0.45	0.83	65	825	55	9 550	1 527.5	1985	86 07
47	9.04	0.120	0.30	0.70	61	835	55	15 269	1 505.6	1964	85 10
52 887					176	820	60	21 200	1 897.4	1954	85 12 - GPP
9 660	2.53	0.114	0.13	0.66							
10 313	4.83	0.111	0.13	0.74							
32 914	2.29	0.153	0.10	0.66							
65	4.27	0.080	0.15	0.65	177	825	60	20 240	1 824.4	1976	78 09
192	4.26	0.100	0.23	0.65	176	830	55	20 340	1 914.1	1978	85 12
64	2.90	0.100	0.34	0.72	49	844	60	20 680	1 900.5	1979	84 12 - GPP
64	2.78	0.150	0.15	0.75				20 796	1 914.6	1975	78 12
64	3.00	0.150	0.13	0.76	100	832	60	19 651	1 985.3	1979	79 12
64	4.40	0.130	0.15	0.78	97	830	68	12 229	1 911.5	1983	86 12
64	2.00	0.100	0.13	0.78	97	830	68	19 825	2 012.0	1979	83 09
64	1.22	0.080	0.20	0.70	149	801	71	21 520	2 051.0	1975	83 07 - GPP
64	10.80	0.220	0.25	0.64	187	818	40	22 893	2 082.0	1979	82 10 - GPP
64	3.00	0.100	0.20	0.70	149	810	74	18 867	2 133.5	1980	81 06 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WILLESDEN GREEN 042-07W5 (CONTINUED)								
SECOND WHITE SPECKS D	729.0	0.10		72.9		72.9	24.5	48.4
SECOND WHITE SPECKS E	899.0	0.15		135.0		135.0	11.6	123.4
SECOND WHITE SPECKS F	73.2	0.10		7.3		7.3	0.3	7.0
VIKING A	7 100.0	0.11		780.0		780.0	450.6	329.4
VIKING B	450.0	0.25		113.0		113.0	80.1	32.9
VIKING G	190.0	0.15		28.5		28.5	11.5	17.0
VIKING H	1 650.0	0.10		165.0		165.0	34.2	130.8
VIKING L	28.7	0.15		4.3		4.3	2.3	2.0
VIKING M	50.7	0.15		7.6		7.6	0.6	7.0
VIKING Q	19.3	0.10		1.9		1.9	0.5	1.4
VIKING R	83.9	0.12		10.1		10.1	3.3	6.8
VIKING S	45.7	<0.02		0.8		0.8	0.8	
VIKING T	89.8	0.15		13.5		13.5	2.2	11.3
VIKING V	12.3	0.15		1.8		1.8	1.2	0.6
VIKING W	90.1	0.20		18.0		18.0	4.0	14.0
VIKING Y	39.8	0.15		6.0		6.0	0.4	5.6
VIKING Z	536.0	0.15		80.4		80.4	8.9	71.5
GLAUCONITIC A TOTAL	1 560.0			236.0	70.5	306.0	233.5	72.5
PRIMARY AREA	153.0	0.15		23.0		23.0		
WATER FLOOD AREA	1 410.0	0.15	0.05	213.0	70.5	283.0		
GLAUCONITIC E	81.3	0.15		12.2		12.2	1.5	10.7
ELLERSLIE B	134.0	0.10		13.4		13.4	3.2	10.2
ELLERSLIE C	84.8	0.10		8.5		8.5	6.1	2.4
ELLERSLIE D	124.0	0.10		12.4		12.4	1.6	10.8
ELLERSLIE E	92.2	0.10		9.2		9.2	3.5	5.7
ELLERSLIE F	206.0	0.10		20.6		20.6	0.4	20.2
ROCK CREEK B	54.0	0.10		5.4		5.4	0.2	5.2
ROCK CREEK C	135.0	0.10		13.5		13.5	1.2	12.3
ROCK CREEK D	118.0	0.10		11.8		11.8		11.8
ROCK CREEK E	56.9	0.10		5.7		5.7	1.3	4.4
WILLINGDON 055-17W4								
VIKING H	87.0	0.10		8.7		8.7	0.2	8.5
WILLOW 028-17W4								
VIKING B	50.0	<0.01		0.3		0.3	0.3	
WILSON CREEK 043-04W5								
BELLY RIVER A	1 769.0	0.10		177.0		177.0	13.9	163.1
BELLY RIVER B	1 430.0	0.10		143.0		143.0	17.1	125.9
CARDIUM A	117.0	0.10		11.7		11.7	0.5	11.2
WIMBORNE 034-26W4								
D-2 A	683.0	<0.11		69.8		69.8	69.8	
D-2 B	329.0	0.06		19.7		19.7	14.5	5.2
D-3 A	15 000.0	0.20		3 000.0		3 000.0	2 640.5	359.5
WINDFALL 060-15W5								
BLUESKY A	297.0	0.10		29.7		29.7	9.2	20.5
GETHING D	96.8	0.10		9.7		9.7	1.1	8.6
RUNDLE A	2 000.0	0.25		500.0		500.0	328.3	171.7
D-3 A	13 400.0	0.22		2 950.0		2 950.0	2 179.3	770.7
D-3 B TOTAL	1 310.0			131.0	32.4	163.0	132.3	30.7
PRIMARY AREA	500.0	0.10		50.0		50.0		
GAS FLOOD AREA	810.0	0.10	0.04	81.0	32.4	113.0		
D-3 C	795.0	0.10		79.5		79.5	21.4	58.1
WINTERING HILLS 025-17W4								
VIKING A	1 400.0	0.42		588.0		588.0	431.2	156.8
VIKING P	448.0	0.03		13.4		13.4	7.8	5.6
VIKING Q	41.3	<0.01		0.1		0.1	0.1	
VIKING S	175.0	0.05		8.8		8.8	0.8	8.0
UPPER MANNVILLE I	1 140.0	0.03		34.2		34.2	5.7	28.5
LOWER MANNVILLE A	2 210.0	0.03		66.3		66.3	44.8	21.5
LOWER MANNVILLE L	148.0	0.05		7.4		7.4	1.0	6.4
LOWER MANNVILLE Q	210.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE R	518.0	<0.01		0.1		0.1	0.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	14.10	0.090	0.30	0.64	186	833	69	24 183	2 113.8	1980	83 05
64	11.70	0.250	0.25	0.64	180	815	62	20 100	2 167.4	1985	85 08
64	2.50	0.110	0.35	0.64	187	833	69	24 077	2 120.8	1982	86 01
7 900	2.41	0.082	0.30	0.65	154	834	74	25 168	2 182.8	1956	86 01 - GPP
650	1.91	0.090	0.36	0.63	177	815	79	22 781	2 136.1	1967	85 10 - SUSP 86 08
90	4.20	0.100	0.25	0.67	166	840	81	26 409	2 226.6	1980	85 12
384	4.90	0.160	0.13	0.63	180	718	86	22 760	2 294.1	1983	86 05
64	1.10	0.100	0.40	0.68	170	842	57	23 486	2 126.2	1983	84 09
64	1.30	0.130	0.31	0.68	210	823	70	22 679	2 277.9	1983	84 10 - SUSP 86 02
64	1.00	0.090	0.50	0.67	166	832	81	23 994	2 204.5	1984	84 10
128	1.80	0.080	0.32	0.67	166	832	81	26 153	2 200.6	1984	86 08
64	2.50	0.070	0.40	0.68	210	820	80	25 000	2 292.8	1984	84 12 - SUSP 85 11
64	5.04	0.063	0.35	0.68	165	824	65	20 100	2 209.3	1983	85 03
64	0.85	0.060	0.40	0.63	177	818	86	18 818	2 239.6	1983	85 05
64	4.00	0.080	0.45	0.80	160	836	61	26 097	2 174.8	1984	85 06
64	1.77	0.076	0.30	0.66	170	818	80	20 000	2 287.3	1982	85 08
512	3.10	0.070	0.29	0.68	150	796	79	22 869	2 271.0	1985	86 11 - GPP
831					106	876	76	25 890	2 286.9	1963	81 11 - GPP
64	3.96	0.112	0.22	0.69							
767	3.20	0.119	0.30	0.69							
64	2.00	0.110	0.23	0.75	95	870	104	23 010	2 356.0	1984	85 02
64	5.20	0.100	0.32	0.59	180	831	86	21 144	2 404.2	1983	84 09 - GPP
64	4.20	0.080	0.27	0.54	160	812	89	22 809	2 483.5	1983	84 10
64	2.00	0.210	0.23	0.60	160	757	78	22 308	2 355.0	1984	85 02
64	2.00	0.120	0.20	0.75	105	850	59	16 500	2 386.0	1985	85 09
64	3.00	0.170	0.11	0.71	125	836	88	19 500	2 484.2	1985	85 09
64	3.15	0.054	0.62	0.80	83	896	70	14 313	2 366.4	1982	83 10
64	5.00	0.090	0.30	0.67	145	835	86	21 196	2 508.6	1983	84 09
64	3.00	0.093	0.15	0.78	79	891	70	18 741	2 487.0	1982	83 10 - SUSP 83 07
64	2.18	0.087	0.30	0.67	142	812	90	19 500	2 412.2	1984	85 06
64	1.10	0.240	0.44	0.92	30	878	28	5 143	648.5	1985	86 03
64	1.00	0.150	0.40	0.87	50	811	39	5 400	1 109.8	1982	83 05 - SUSP 84 11
448	5.48	0.140	0.38	0.83	62	833	68	6 556	1 280.3	1979	86 11
448	5.49	0.140	0.50	0.83	62	893	62	6 716	1 294.5	1985	86 05
64	3.50	0.090	0.30	0.83	65	805	58	9 115	1 615.7	1982	83 06
268	18.99	0.029	0.30	0.66	160	834	78	19 890	2 253.1	1961	77 12 - SUSP 77 06
194	7.92	0.042	0.24	0.67	210	829	74	20 340	2 224.7	1964	81 12
8 066	4.57	0.068	0.12	0.68	206	820	79	21 170	2 282.0	1956	84 12 - GPP
64	6.78	0.120	0.25	0.76	102	849	63	20 162	2 032.2	1976	76 12
64	3.00	0.120	0.40	0.70	156	824	82	15 315	2 098.7	1979	81 11 - SUSP 84 09
864	3.35	0.120	0.20	0.72	118	834	82	17 410	2 083.6	1957	85 12 - GPP
5 859	8.84	0.060	0.12	0.49	336	811	104	25 950	2 627.3	1957	83 12 - GPP
424					243	825	103	25 230	2 619.1	1972	82 12 - GPP
168	12.50	0.050	0.12	0.54							
256	13.28	0.050	0.12	0.54							
219	12.00	0.063	0.20	0.60	220	811	103	25 550	2 746.6	1979	82 09
309	4.02	0.231	0.44	0.87	56	825	27	7 860	887.6	1958	64 12
64	6.10	0.220	0.40	0.87	57	825	29	7 830	869.3	1978	85 12
64	0.90	0.150	0.45	0.87	57	835	29	7 540	876.5	1979	83 12 - SUSP 79 06
64	2.10	0.250	0.40	0.87	56	833	56	8 070	858.5	1984	86 12 - GPP
475	3.29	0.140	0.37	0.83	64	866	55	7 943	1 222.0	1983	85 12
356	6.58	0.179	0.35	0.81	45	887	48	9 760	1 288.7	1965	83 12 - GPP
64	1.54	0.210	0.15	0.84	66	860	46	9 680	1 255.2	1973	83 12
64	2.90	0.205	0.32	0.81	58	860	36	9 120	1 330.3	1979	83 12 - SUSP 81 09
64	10.00	0.150	0.35	0.83	66	857	37	11 067	1 322.3	1979	82 12 - SUSP 81 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WINTERING HILLS 025-17W4 (CONTINUED)								
LOWER MANNVILLE T	660.0	0.05		33.0		33.0	24.4	8.6
LOWER MANNVILLE V	607.0	0.01		6.1		6.1	1.4	4.7
LOWER MANNVILLE W	445.0	0.10		44.5		44.5	9.2	35.3
LOWER MANNVILLE X	300.0	0.06		18.0		18.0	1.3	16.7
ELLERSLIE A	458.0	<0.01		1.4		1.4	0.8	0.6
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	80.2	<0.01		0.5		0.5	0.5	
BASAL QUARTZ B	87.6	<0.01		0.3		0.3	0.3	
D-2 A	613.0	<0.17		103.5		103.5	103.5	
D-3 A SOLVENT FLOOD	62 000.0	0.66	0.29	40 900.0	18 100.0	59 000.0	49 655.4	9 344.6
D-3 B	160.0	<0.07		10.8		10.8	10.8	
WOKING 075-04W6								
CHARLIE LAKE A	253.0	0.15		38.0		38.0	1.7	36.3
HALFWAY A	255.0	0.10		25.5		25.5	5.2	20.3
WOOD RIVER 043-23W4								
LOWER MANNVILLE A	366.0	0.15		54.9		54.9	31.1	23.8
LOWER MANNVILLE F	33.4	0.05		1.7		1.7		1.7
D-2 A	1 250.0	0.15		190.0		190.0	115.1	74.9
D-2 B	1 700.0	0.25		425.0		425.0	55.0	370.0
D-2 C WATER FLOOD	1 150.0	0.35	0.15	403.0	172.0	575.0	324.8	250.2
D-2 D	630.0	0.25		158.0		158.0	33.5	124.5
D-3 A	294.0	<0.10		28.6		28.6	28.6	
D-3 B	581.0	0.30		174.0		174.0	21.2	152.8
WORSLEY 087-07W6								
TRIASSIC A	826.0	0.35		289.0		289.0	145.1	143.9
D-3 F	188.0	0.05		9.4		9.4	3.4	6.0
YEKAU LAKE 052-26W4								
LOWER MANNVILLE A	431.0	<0.01		3.4		3.4	3.4	
LOWER MANNVILLE B	260.0	0.10		26.0		26.0	0.3	25.7
D-2 A	95.7	<0.01		0.1		0.1	0.1	
D-3 A	1 070.0	0.70		749.0		749.0	654.9	94.1
D-3 B	39.7	<0.01		0.3		0.3	0.3	
YOUNGSTOWN 031-09W4								
UPPER MANNVILLE A	90.6	<0.01		0.1		0.1		0.1
ARCS	2 240.0	<0.36		784.0		784.0	324.0	460.0
ZAMA 117-04W6								
SULPHUR POINT A	203.0	<0.02		2.3		2.3	2.3	
SULPHUR POINT B	350.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT C	258.0	<0.02		3.2		3.2	3.2	
SULPHUR POINT D	319.0	<0.01		2.6		2.6	2.6	
SULPHUR POINT F	953.0	0.15		143.0		143.0	73.5	69.5
MUSKEG B	120.0	0.20		24.0		24.0	21.1	2.9
MUSKEG C	207.0	0.20		41.4		41.4	35.0	6.4
MUSKEG F	254.0	<0.10		23.3		23.3	23.3	
MUSKEG G	238.0	<0.08		18.4		18.4	18.4	
MUSKEG H	191.0	0.30		57.3		57.3	49.2	8.1
MUSKEG J	350.0	0.20		70.0		70.0	36.0	34.0
MUSKEG K	120.0	<0.01		0.3		0.3	0.3	
MUSKEG L WATER FLOOD	365.0	0.20	0.07	73.0	25.6	98.6	68.7	29.9
MUSKEG N	98.5	<0.17		16.0		16.0	16.0	
MUSKEG O	286.0	0.20		57.2		57.2	44.7	12.5
MUSKEG P	127.0	<0.12		14.1		14.1	14.1	
MUSKEG R	159.0	0.35		55.6		55.6	23.7	31.9
MUSKEG S	79.5	<0.20		12.5		12.5	12.5	
MUSKEG T	415.0	0.25		104.0		104.0	52.7	51.3
MUSKEG U	200.0	0.30		60.0		60.0	38.5	21.5
MUSKEG V	400.0	0.40		160.0		160.0	82.5	77.5
MUSKEG W	159.0	<0.07		10.8		10.8	10.8	
MUSKEG X	79.5	<0.05		3.8		3.8	3.8	
MUSKEG Y WATER FLOOD	350.0	0.20	0.10	70.0	35.0	105.0	67.8	37.2
MUSKEG AA	79.5	<0.14		10.6		10.6	10.6	
MUSKEG BB	254.0	<0.08		18.5		18.5	18.5	
MUSKEG DD	100.0	0.25		25.0		25.0	16.8	8.2
MUSKEG EE	114.0	<0.29		32.8		32.8	32.8	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	9.80	0.200	0.35	0.81	45	887	46	9 639	1 271.3	1965	82 07 - GPP
64	6.50	0.250	0.28	0.81	64	894	38	9 552	1 277.3	1983	86 12 - GPP
320	1.53	0.180	0.39	0.83	90	866	39	9 719	1 256.6	1983	84 06 - GPP
128	2.72	0.170	0.39	0.83	72	867	38	9 800	1 258.7	1983	86 11
64	5.74	0.220	0.30	0.81	45	887	46	9 760	1 273.8	1965	83 12 - SUSP 83 03
32	2.13	0.171	0.20	0.85	50	870	49	10 790	1 465.8	1958	61 01 - ABAND 60 04
32	2.44	0.165	0.20	0.84	53	870	49	11 030	1 483.5	1953	59 05 - ABAND 60 05
494	5.24	0.041	0.23	0.75	106	839	71	13 790	1 756.6	1958	82 12 - SUSP 79 12
1 075	86.13	0.096	0.07	0.75	109	834	72	15 650	1 969.0	1951	83 11
54	4.45	0.095	0.07	0.75	109	834	77	15 200	2 108.0	1964	72 05 - ABAND 69 12
64	3.70	0.180	0.25	0.79	80	714	52	13 640	1 537.7	1985	86 05
128	2.62	0.170	0.42	0.77	150	865	65	13 827	1 596.9	1982	84 06
64	5.79	0.170	0.30	0.83	115	847	57	10 650	1 453.1	1956	85 01 - GPP
16	2.00	0.200	0.45	0.95	16	967	41	12 842	1 588.0	1982	83 07 - SUSP 83 01
468	3.93	0.100	0.14	0.79	80	887	60	16 410	1 694.1	1964	84 10
128	27.67	0.080	0.20	0.75	80	887	60	15 820	1 705.7	1963	84 12
187	12.00	0.078	0.10	0.73	133	839	62	15 840	1 768.4	1972	86 12
31	38.40	0.080	0.17	0.79	98	887	60	15 972	1 765.9	1983	84 12
65	9.14	0.073	0.15	0.80	142	865	61	16 030	1 695.0	1957	73 02 - ABAND 76 05
128	8.44	0.080	0.16	0.80	77	868	61	13 004	1 780.7	1981	85 03
323	2.07	0.190	0.26	0.88	57	844	43	8 480	1 048.8	1961	85 08
204	4.57	0.070	0.55	0.64	106	825	81	22 000	2 192.7	1961	85 04 - SUSP 86 04
65	7.01	0.150	0.22	0.81	83	855	54	9 480	1 257.6	1971	84 12 - SUSP 80 02
64	4.10	0.190	0.38	0.84	58	810	56	6 900	1 275.4	1985	86 06
65	5.79	0.042	0.24	0.80	83	820	60	11 380	1 464.6	1964	64 12 - ABAND 64 07
250	6.58	0.097	0.15	0.79	87	820	63	11 450	1 557.5	1955	86 12
16	7.32	0.060	0.30	0.80	85	849	61	11 270	1 552.7	1957	68 12 - ABAND 68 04
64	1.10	0.220	0.35	0.90	44	884	34	9 157	1 053.8	1979	83 12 - SUSP 81 12
1 131	2.65	0.103	0.22	0.93	18	860	42	8 760	1 132.0	1956	86 12 - GPP
65	5.79	0.077	0.16	0.84	64	860	66	13 100	1 370.1	1967	73 02 - SUSP 72 01
65	15.24	0.059	0.30	0.86	52	865	64	12 760	1 484.7	1967	69 05 - SUSP 68 01
19	25.91	0.070	0.13	0.86	73	839	65	12 930	1 339.9	1967	86 12 - SUSP 85 06
65	9.75	0.079	0.20	0.80	64	860	64	13 100	1 332.3	1967	74 12 - SUSP 72 12
138	15.95	0.066	0.20	0.82	74	834	69	13 030	1 341.1	1967	75 12 - GPP
8	18.00	0.100	0.11	0.94	16	881	66	14 200	1 454.5	1967	78 12 - GPP
13	23.16	0.090	0.13	0.89	35	870	70	14 310	1 469.7	1967	86 12 - GPP
10	63.89	0.060	0.20	0.83	62	860	72	13 650	1 497.2	1967	79 01 - SUSP 78 11
30	19.48	0.060	0.17	0.81	74	860	73	13 800	1 557.2	1967	74 12 - SUSP 74 04
9	47.06	0.064	0.19	0.87	47	834	70	14 450	1 460.6	1967	83 12
27	36.60	0.050	0.20	0.88	33	881	72	14 000	1 452.4	1967	84 08
65	6.71	0.046	0.25	0.80	80	887	60	13 650	1 407.0	1967	71 01 - ABAND 82 09
12	63.22	0.070	0.18	0.83	59	844	77	15 000	1 513.0	1967	84 12 - GPP
5	55.47	0.046	0.14	0.89	37	881	71	14 000	1 508.2	1967	82 12 - SUSP 81 01
11	48.46	0.069	0.09	0.83	54	844	72	15 000	1 508.9	1967	73 12
11	28.01	0.056	0.21	0.94	16	892	66	14 070	1 467.8	1967	70 02 - ABAND 85 10
11	39.50	0.055	0.15	0.76	96	834	79	15 860	1 575.3	1967	73 08 - SUSP 84 07
11	14.33	0.070	0.15	0.83	39	860	71	14 270	1 500.2	1967	68 11 - SUSP 84 10
30	28.10	0.076	0.27	0.90	24	881	68	14 270	1 460.7	1967	84 09
5	61.00	0.080	0.15	0.85	48	887	66	14 690	1 479.9	1967	82 04
15	52.10	0.070	0.20	0.90	29	881	69	14 281	1 470.7	1967	82 10 - GPP
18	20.88	0.060	0.12	0.81	78	855	71	14 380	1 562.7	1967	73 10 - ABAND 85 02
12	10.36	0.090	0.14	0.82	67	855	71	14 100	1 530.1	1968	70 01 - SUSP 72 01
42	13.45	0.080	0.10	0.86	45	855	70	14 820	1 503.9	1968	82 07
9	24.14	0.058	0.25	0.85	57	876	71	13 340	1 490.6	1968	74 11 - SUSP 76 02
31	13.90	0.075	0.12	0.88	30	860	71	13 400	1 468.5	1968	75 12 - SUSP 74 01
7	25.00	0.073	0.13	0.90	25	876	67	13 870	1 446.0	1968	81 09
3	45.30	0.108	0.09	0.85	42	860	69	14 530	1 480.1	1969	81 12 - SUSP 84 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
MUSKEG GG	365.0	0.35		128.0		128.0	75.6	52.4
MUSKEG HH	234.0	<0.02		3.2		3.2	3.2	
MUSKEG II	120.0	0.20		24.0		24.0	16.8	7.2
MUSKEG KK	156.0	0.05		7.8		7.8	3.2	4.6
MUSKEG LL	159.0	0.25		40.0		40.0	31.6	8.4
MUSKEG MM	49.1	<0.10		4.8		4.8	4.8	
MUSKEG NN	351.0	0.15		52.7		52.7	46.5	6.2
MUSKEG OO	324.0	<0.01		0.1		0.1	0.1	
MUSKEG PP	50.0	0.20		10.0		10.0	6.1	3.9
MUSKEG QQ	140.0	0.20		28.0		28.0	5.2	22.8
MUSKEG RR	199.0	0.30		59.7		59.7	16.7	43.0
MUSKEG SS	384.0	<0.01		3.5		3.5	3.5	
MUSKEG TT	561.0	0.30		168.0		168.0	1.8	166.2
MUSKEG UU	225.0	0.20		45.0		45.0	5.5	39.5
MUSKEG VV	161.0	0.30		48.3		48.3	0.2	48.1
MUSKEG WW	353.0	0.30		106.0		106.0	8.6	97.4
KEG RIVER A	874.0	0.39		342.0		342.0	242.6	99.4
KEG RIVER C	318.0	<0.15		45.0		45.0	45.0	
KEG RIVER D	477.0	<0.22		102.0		102.0	101.6	0.4
KEG RIVER E	397.0	<0.24		92.4		92.4	92.4	
KEG RIVER F	874.0	0.25		219.0		219.0	170.3	48.7
KEG RIVER G	318.0	0.35		111.0		111.0	90.6	20.4
KEG RIVER H WATER FLOOD	1 750.0	0.30	0.07	525.0	122.0	647.0	371.8	275.2
KEG RIVER I	192.0	<0.01		0.7		0.7	0.7	
KEG RIVER J	477.0	0.07		33.4		33.4	26.0	7.4
KEG RIVER K	127.0	0.35		44.5		44.5	35.0	9.5
KEG RIVER L	234.0	0.25		58.5		58.5	45.1	13.4
KEG RIVER M	674.0	<0.01		0.5		0.5	0.5	
KEG RIVER N WATER FLOOD	360.0	0.25	0.10	90.0	36.0	126.0		126.0
KEG RIVER O WATER FLOOD	1 030.0	0.34	0.06	350.2	61.8	412.0	259.6	152.4
KEG RIVER P WATER FLOOD	286.0	0.35	0.15	100.0	42.9	143.0	90.5	52.5
KEG RIVER R	159.0	0.30		47.7		47.7	46.7	1.0
KEG RIVER S	874.0	0.14		122.0	ERSD	122.0	88.9	33.1
KEG RIVER T	200.0	0.30		60.0		60.0	42.2	17.8
KEG RIVER U	715.0	0.37		265.0		265.0	180.4	84.6
KEG RIVER V	318.0	0.25		79.5		79.5	23.9	55.6
KEG RIVER W	191.0	0.30		57.3		57.3	48.8	8.5
KEG RIVER X	306.0	0.20		61.2		61.2	16.4	44.8
KEG RIVER Y WATER FLOOD	261.0	<0.17	0.05	43.2	13.5	43.2	43.2	
KEG RIVER Z	477.0	0.37		176.0		176.0	170.2	5.8
KEG RIVER AA	191.0	0.30		57.3		57.3	53.9	3.4
KEG RIVER BB	238.0	0.35		83.3		83.3	55.3	28.0
KEG RIVER CC WATER FLOOD	795.0	0.25	0.12	199.0	95.4	294.0	266.5	27.5
KEG RIVER DD	324.0	<0.08		24.4		24.4	24.4	
KEG RIVER EE	1 030.0	0.25		258.0		258.0	210.3	47.7
KEG RIVER FF	1 270.0	0.30		381.0		381.0	315.5	65.5
KEG RIVER GG WATER FLOOD	953.0	0.08	0.03	76.2	28.6	105.0	98.8	6.2
KEG RIVER HH	155.0	0.25		38.8		38.8	32.4	6.4
KEG RIVER II	280.0	0.10		28.0		28.0	12.6	15.4
KEG RIVER JJ	110.0	0.30		33.0		33.0	27.2	5.8
KEG RIVER KK WATER FLOOD	176.0	0.25	0.15	44.0	26.4	70.4	47.7	22.7
KEG RIVER LL	150.0	0.35		52.5		52.5	42.3	10.2
KEG RIVER MM	345.0	<0.01		2.6		2.6	2.6	
KEG RIVER NN	636.0	0.25		159.0		159.0	119.3	39.7
KEG RIVER OO	148.0	0.40		59.2		59.2	49.2	10.0
KEG RIVER PP	763.0	0.42		321.0		321.0	163.8	157.2
KEG RIVER QQ	350.0	0.30		105.0		105.0	77.9	27.1
KEG RIVER RR	795.0	0.08		63.6		63.6	54.0	9.6
KEG RIVER SS	222.0	0.35		77.9		77.9	62.3	15.6
KEG RIVER TT	400.0	0.40		160.0		160.0	109.9	50.1
KEG RIVER UU	141.0	<0.15		20.5		20.5	20.5	
KEG RIVER VV	1 350.0	0.41		555.0		555.0	359.1	195.9
KEG RIVER WW	318.0	0.20		63.6		63.6	56.4	7.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
7	64.95	0.100	0.08	0.84	62	887	71	13 120	1 522.2	1969	73 08 - GPP
16	38.10	0.054	0.20	0.88	41	881	70	12 700	1 502.7	1968	73 02 - ABAND 82 09
9	24.50	0.079	0.15	0.81	74	860	72	13 870	1 507.2	1967	78 12 - SUSP 83 09
17	21.50	0.060	0.19	0.88	32	881	72	14 290	1 493.8	1969	86 12 - GPP
3	61.63	0.115	0.10	0.88	30	870	67	13 480	1 454.8	1969	84 12 - GPP
13	27.71	0.024	0.30	0.79	82	855	71	13 220	1 463.6	1971	74 12 - SUSP 74 04
25	24.99	0.077	0.11	0.83	56	855	67	14 940	1 516.7	1972	86 12 - GPP
65	24.08	0.036	0.32	0.85	44	844	36	17 960	1 553.9	1973	74 05 - ABAND 73 09
6	15.90	0.070	0.10	0.83	91	837	80	13 676	1 536.8	1982	84 12
31	8.24	0.070	0.10	0.87	37	839	74	12 953	1 509.2	1983	85 04
64	8.30	0.060	0.18	0.76	95	834	62	18 035	1 502.5	1983	84 01
64	12.00	0.070	0.14	0.83	54	844	79	13 690	1 564.0	1983	86 12 - SUSP 85 04
64	16.00	0.070	0.11	0.88	35	882	71	17 953	1 499.3	1984	84 08
39	15.61	0.050	0.16	0.88	35	878	73	6 000	1 469.8	1984	86 09
64	5.60	0.060	0.10	0.83	60	837	77	9 136	1 578.4	1984	85 05
64	10.67	0.070	0.15	0.87	41	854	71	7 235	1 571.3	1985	86 01
25	63.12	0.071	0.11	0.86	46	876	68	14 340	1 460.0	1967	70 06 - GPP
7	82.30	0.077	0.16	0.87	50	870	69	14 760	1 482.9	1967	83 12 - ABAND 80 04
8	114.30	0.074	0.16	0.83	60	849	72	15 130	1 563.3	1967	82 12 - SUSP 83 12
17	47.46	0.070	0.12	0.80	71	834	79	14 790	1 512.1	1967	86 12 - SUSP 85 10
32	50.90	0.071	0.12	0.85	52	849	71	14 480	1 492.9	1967	82 12 - GPP
17	32.92	0.085	0.24	0.88	35	870	71	14 310	1 464.3	1967	75 06 - GPP
141	42.06	0.047	0.28	0.87	36	865	74	14 200	1 460.9	1967	74 09 - GPP
22	28.22	0.050	0.25	0.83	59	865	75	14 450	1 509.7	1967	68 05 - SUSP 68 08
7	87.54	0.100	0.10	0.83	66	865	72	13 952	1 549.6	1967	77 01
17	23.40	0.050	0.24	0.84	54	865	71	13 760	1 421.9	1967	86 12
20	33.53	0.050	0.20	0.86	46	865	72	13 800	1 444.8	1967	83 12 - GPP
130	25.60	0.036	0.32	0.83	48	865	72	14 070	1 488.0	1967	68 05 - SUSP 68 05
18	52.56	0.580	0.20	0.82	64	865	71	13 900	1 500.2	1967	86 12 - GPP
35	47.88	0.087	0.19	0.88	35	860	71	14 820	1 497.8	1967	82 12 - GPP
5	104.21	0.074	0.17	0.85	54	855	68	14 620	1 523.1	1967	75 12 - GPP
9	24.23	0.100	0.17	0.89	30	876	68	14 200	1 449.6	1967	69 09 - GPP
17	90.09	0.079	0.16	0.86	42	860	69	14 890	1 496.6	1967	81 01
15	30.00	0.060	0.15	0.87	38	870	70	14 690	1 464.6	1967	85 12 - GPP
25	58.00	0.074	0.18	0.81	65	834	77	15 030	1 527.0	1967	70 06 - GPP
64	30.70	0.030	0.35	0.83	63	865	71	13 790	1 440.2	1967	83 12 - GPP
28	23.79	0.046	0.24	0.82	69	876	66	13 760	1 434.1	1967	83 12
18	34.14	0.080	0.25	0.83	33	881	69	13 690	1 433.2	1967	84 09
12	36.27	0.081	0.12	0.84	62	865	61	13 870	1 446.9	1967	75 08 - SUSP 84 06
11	74.83	0.085	0.12	0.81	73	855	72	14 520	1 512.4	1967	82 12 - GPP
7	53.07	0.070	0.18	0.86	43	870	68	14 030	1 495.7	1967	81 12
33	30.30	0.040	0.30	0.85	76	865	72	13 760	1 553.0	1967	83 12 - GPP
13	95.10	0.087	0.12	0.86	45	860	76	14 890	1 565.5	1967	82 12 - GPP
15	48.13	0.061	0.20	0.90	35	887	63	13 810	1 419.5	1967	86 12 - SUSP 86 01
33	56.11	0.070	0.12	0.89	30	865	69	14 450	1 460.9	1967	82 12 - GPP
28	87.17	0.071	0.11	0.83	58	839	78	15 170	1 529.2	1967	77 10 - GPP
55	41.92	0.060	0.17	0.83	63	865	73	14 380	1 485.6	1967	83 12 - GPP
21	42.43	0.030	0.30	0.83	60	860	71	13 790	1 469.7	1967	86 12 - GPP
22	25.30	0.074	0.15	0.80	74	849	78	13 930	1 561.2	1967	85 12 - GPP
15	29.30	0.042	0.30	0.85	35	865	71	13 790	1 452.4	1967	85 07
4	86.87	0.065	0.11	0.87	45	865	71	14 510	1 538.3	1967	82 12 - GPP
7	25.32	0.100	0.08	0.92	26	881	64	14 030	1 428.0	1967	83 12 - SUSP 86 08
64	6.10	0.140	0.11	0.71	156	825	81	14 910	1 524.0	1967	85 12 - SUSP 84 02
20	36.97	0.120	0.08	0.77	88	829	76	15 130	1 553.0	1967	82 12 - SUSP 83 08
16	46.33	0.043	0.25	0.62	215	829	76	15 130	1 555.1	1967	85 08
15	97.11	0.074	0.10	0.81	72	829	80	15 410	1 550.5	1967	70 06 - GPP
13	53.64	0.073	0.11	0.80	72	829	78	14 820	1 536.5	1967	75 12
57	31.39	0.063	0.15	0.83	64	865	71	13 510	1 451.5	1967	83 12 - GPP
3	113.60	0.080	0.11	0.85	53	855	72	14 940	1 528.6	1967	68 01 - GPP
23	43.30	0.055	0.14	0.85	49	865	73	13 790	1 479.2	1967	86 02
21	28.74	0.039	0.30	0.84	59	865	70	13 790	1 598.1	1967	86 12 - SUSP 85 07
26	91.74	0.075	0.10	0.83	58	855	77	14 930	1 509.4	1967	70 06
16	45.11	0.055	0.13	0.90	32	898	63	14 170	1 443.5	1967	84 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER XX	477.0	0.25		119.0		119.0	90.0	29.0
KEG RIVER YY WATER FLOOD	663.0	0.25	0.05	165.0	33.2	198.0	55.3	142.7
KEG RIVER ZZ	238.0	<0.24		54.9		54.9	54.9	
KEG RIVER AAA	556.0	0.35		195.0		195.0	158.7	36.3
KEG RIVER BBB WATER FLOOD	207.0	0.34	0.12	70.2	24.8	95.0	64.6	30.4
KEG RIVER CCC	477.0	<0.01		2.8		2.8	2.8	
KEG RIVER DDD	318.0	0.30		95.3		95.3	64.2	31.1
KEG RIVER EEE	318.0	0.12		38.1		38.1	31.6	6.5
KEG RIVER FFF	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER GGG	64.2	0.24		15.4		15.4	12.0	3.4
KEG RIVER HHH	318.0	0.13		41.3		41.3	38.4	2.9
KEG RIVER III	230.0	0.25		57.5		57.5	52.1	5.4
KEG RIVER JJJ	477.0	0.36		172.0		172.0	142.8	29.2
KEG RIVER KKK	397.0	0.20		79.4		79.4	66.6	12.8
KEG RIVER LLL	165.0	<0.10		15.1		15.1	15.1	
KEG RIVER MMM	500.0	0.40		200.0		200.0	131.6	68.4
KEG RIVER NNN	588.0	0.35		207.0		207.0	146.7	60.3
KEG RIVER OOO	524.0	0.10		52.4		52.4	45.7	6.7
KEG RIVER PPP	213.0	0.25		53.2		53.2	38.1	15.1
KEG RIVER QQQ	397.0	<0.11		42.2		42.2	42.2	
KEG RIVER RRR	636.0	0.20		127.0		127.0	120.7	6.3
KEG RIVER SSS	79.5	<0.22		17.3		17.3	17.3	
KEG RIVER TTT WATER FLOOD	127.0	0.35	0.12	44.5	15.3	59.8	48.3	11.5
KEG RIVER VVV	443.0	0.15		66.4	ERSD	66.4	47.2	19.2
KEG RIVER WWW	393.0	0.20		78.6		78.6	25.0	53.6
KEG RIVER XXX	477.0	<0.08		34.8		34.8	34.8	
KEG RIVER YYY	264.0	0.35		92.4		92.4	75.7	16.7
KEG RIVER ZZZ	238.0	<0.13		29.2		29.2	29.2	
KEG RIVER A2A	341.0	0.35		119.0		119.0	91.9	27.1
KEG RIVER B2B	795.0	0.35		278.0		278.0	201.9	76.1
KEG RIVER C2C	165.0	<0.21		34.1		34.1	34.1	
KEG RIVER E2E	313.0	0.30		93.9		93.9	57.1	36.8
KEG RIVER F2F	310.0	<0.07		21.4		21.4	21.4	
KEG RIVER G2G	960.0	<0.13		122.0		122.0	122.0	
KEG RIVER H2H	305.0	<0.04		10.3		10.3	10.3	
KEG RIVER I2I	197.0	0.30		59.1		59.1	46.1	13.0
KEG RIVER J2J	286.0	0.30		85.8		85.8	63.9	21.9
KEG RIVER K2K	477.0	<0.02		6.5		6.5	6.5	
KEG RIVER L2L	143.0	<0.10		13.7		13.7	13.7	
KEG RIVER M2M	354.0	0.35		124.0		124.0	93.7	30.3
KEG RIVER N2N	461.0	0.30		138.0		138.0	125.7	12.3
KEG RIVER O2O	159.0	0.20		31.8		31.8	29.1	2.7
KEG RIVER P2P	350.0	0.30		105.0		105.0	80.7	24.3
KEG RIVER Q2Q	364.0	<0.12		42.7		42.7	42.7	
KEG RIVER R2R	255.0	0.30		76.5		76.5	12.0	64.5
KEG RIVER S2S	350.0	0.25		87.5		87.5	82.4	5.1
KEG RIVER T2T	91.9	0.25		23.0		23.0	16.3	6.7
KEG RIVER U2U	429.0	<0.16		66.3		66.3	66.3	
KEG RIVER V2V	124.0	0.20		24.8		24.8	7.3	17.5
KEG RIVER W2W	165.0	0.25		41.3		41.3	30.6	10.7
KEG RIVER X2X WATER FLOOD	547.0	0.32	0.23	175.0	126.0	301.0	235.1	65.9
KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
KEG RIVER Z2Z	477.0	0.20		95.4		95.4	72.8	22.6
KEG RIVER A3A	318.0	0.14		44.5		44.5	37.8	6.7
KEG RIVER B3B	251.0	<0.06		14.3		14.3	14.3	
KEG RIVER C3C	111.0	<0.23		25.3		25.3	25.3	
KEG RIVER D3D	257.0	0.30		77.2		77.2	63.3	13.9
KEG RIVER F3F	420.0	0.10		42.0		42.0	39.4	2.6
KEG RIVER G3G	106.0	0.15		15.9		15.9	6.0	9.9
KEG RIVER H3H	218.0	0.40		87.2		87.2	37.5	49.7
KEG RIVER I3I WATER FLOOD	636.0	0.15	0.10	95.4	63.6	159.0	116.7	42.3
KEG RIVER J3J	222.0	0.12		26.7		26.7	26.7	
KEG RIVER K3K WATER FLOOD	207.0	0.20	0.10	41.3	20.7	62.0	57.7	4.3
KEG RIVER L3L WATER FLOOD	159.0	0.20	0.15	31.8	23.9	55.7	46.6	9.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
13	67.30	0.071	0.11	0.84	71	860	71	14 790	1 501.4	1967	82 12 - GPP
26	60.96	0.060	0.15	0.81	71	844	71	14 620	1 521.6	1967	70 02 - GPP - IS NO 9
24	20.95	0.110	0.12	0.49	331	811	77	15 370	1 551.1	1967	83 12 - SUSP 81 07
10	108.81	0.074	0.10	0.79	74	834	79	14 960	1 583.1	1967	75 12
3	99.36	0.105	0.13	0.83	57	855	80	14 690	1 565.8	1967	75 07 - GPP
72	17.37	0.065	0.28	0.81	65	860	76	14 240	1 573.4	1967	70 09 - WTR INJ 69 01
9	58.83	0.076	0.15	0.90	33	881	67	14 170	1 468.2	1967	70 07 - GPP
21	36.27	0.064	0.22	0.85	52	865	70	13 380	1 443.8	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 650	1 454.7	1967	83 12
3	73.15	0.045	0.35	0.89	45	860	83	14 340	1 524.6	1967	69 01 - GPP
10	37.80	0.115	0.10	0.83	59	860	72	13 550	1 470.8	1967	82 12 - SUSP 82 03
10	43.20	0.080	0.25	0.89	38	881	64	14 000	1 427.7	1967	83 12 - GPP
21	45.14	0.070	0.20	0.88	30	865	72	14 550	1 451.5	1967	70 06
7	101.50	0.080	0.11	0.83	45	855	78	14 690	1 558.7	1967	85 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 200	1 471.6	1967	76 01 - SUSP 75 10
12	86.52	0.070	0.20	0.86	47	865	69	14 890	1 484.4	1967	82 10
17	69.49	0.073	0.15	0.80	72	844	80	15 690	1 532.2	1967	69 01 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	13 930	1 453.9	1967	82 12 - GPP
19	42.15	0.040	0.20	0.83	60	860	71	13 270	1 465.8	1967	70 02 - GPP
34	49.71	0.040	0.30	0.85	49	865	71	13 170	1 466.4	1967	82 12 - SUSP 80 10
20	70.26	0.077	0.17	0.70	145	829	73	15 200	1 548.7	1967	75 12 - GPP
6	24.69	0.080	0.25	0.83	41	860	73	14 650	1 547.2	1967	86 12 - SUSP 85 12
4	53.95	0.080	0.10	0.87	43	865	73	14 310	1 516.7	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 310	1 464.7	1967	70 02 - GPP
17	37.73	0.080	0.15	0.90	34	887	63	13 890	1 417.3	1968	86 09
21	57.30	0.059	0.23	0.87	42	881	67	13 580	1 460.6	1968	86 12 - SUSP 85 05
12	42.03	0.074	0.16	0.86	43	876	71	13 450	1 449.9	1968	84 12
20	22.80	0.070	0.17	0.90	28	881	63	14 170	1 426.9	1968	86 12 - SUSP 85 11
35	25.09	0.060	0.20	0.81	74	849	71	13 450	1 462.0	1968	85 12
17	53.04	0.120	0.15	0.85	56	855	68	14 640	1 490.2	1968	69 04 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 820	1 474.6	1968	84 12 - SUSP 83 09
16	30.48	0.085	0.17	0.90	32	904	63	13 670	1 417.3	1968	70 02 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 650	1 443.5	1968	74 12 - SUSP 74 09
28	57.42	0.085	0.13	0.81	71	844	76	14 190	1 510.3	1968	83 07 - SUSP 85 03
15	38.10	0.078	0.17	0.85	52	865	70	13 580	1 448.1	1968	74 12 - SUSP 74 10
18	27.10	0.065	0.20	0.77	95	825	80	14 760	1 557.2	1968	70 02 - SUSP 85 10
14	31.39	0.087	0.14	0.86	47	870	69	14 450	1 487.4	1968	69 03 - GPP
63	19.57	0.054	0.20	0.89	37	892	61	13 650	1 413.1	1968	73 02 - SUSP 72 04
16	38.10	0.040	0.30	0.83	66	865	68	12 650	1 453.0	1968	78 10 - SUSP 75 11
13	47.64	0.075	0.15	0.90	38	881	61	13 930	1 436.8	1968	70 02 - GPP
12	57.82	0.094	0.15	0.85	59	860	68	14 380	1 459.4	1968	70 02 - GPP
15	15.67	0.100	0.14	0.79	84	870	73	14 590	1 525.8	1968	71 06 - GPP
11	47.85	0.094	0.16	0.88	38	865	69	14 000	1 449.6	1968	71 07
17	70.90	0.045	0.20	0.82	66	860	74	11 650	1 492.9	1968	82 12 - SUSP 80 10
17	29.80	0.080	0.12	0.72	115	825	66	14 960	1 560.9	1968	84 09
6	91.44	0.080	0.11	0.83	50	870	77	14 300	1 537.1	1968	86 12 - GPP
7	22.34	0.075	0.11	0.88	35	867	67	13 280	1 474.6	1968	83 12
10	53.77	0.105	0.13	0.90	26	876	68	13 880	1 451.5	1968	79 06 - SUSP 78 02
13	24.90	0.060	0.25	0.85	55	865	71	13 130	1 434.4	1968	85 04
15	32.95	0.054	0.25	0.83	59	865	70	11 510	1 463.3	1968	84 12 - GPP
34	31.21	0.075	0.13	0.80	78	844	76	12 580	1 494.1	1968	84 12 - GPP - IS NO 9
5	21.58	0.110	0.30	0.87	48	860	71	11 910	1 521.9	1968	69 11 - SUSP 69 10
17	30.23	0.120	0.15	0.91	26	887	64	13 490	1 428.6	1968	83 12
35	29.50	0.045	0.20	0.86	53	865	72	13 530	1 454.2	1967	82 12 - SUSP 84 08
17	36.27	0.060	0.20	0.85	52	865	70	12 310	1 454.5	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 210	1 498.7	1968	83 12 - SUSP 81 01
16	35.17	0.065	0.15	0.84	59	860	74	14 020	1 459.4	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	12 940	1 400.9	1969	86 12 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 500	1 406.7	1969	86 12
5	91.74	0.070	0.21	0.86	46	865	71	15 090	1 535.0	1969	84 09
53	30.36	0.060	0.20	0.83	63	865	72	13 000	1 433.2	1968	86 12 - GPP
8	31.21	0.122	0.13	0.83	63	860	71	13 670	1 456.3	1967	83 12 - WTR DISP 75 07
8	43.74	0.079	0.12	0.84	61	865	71	13 700	1 454.5	1967	75 08 - GPP
12	37.83	0.052	0.18	0.84	55	865	71	13 330	1 442.9	1967	86 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER M3M	318.0	<0.03		8.2		8.2	8.2	
KEG RIVER N3N	302.0	<0.24		70.5		70.5	70.5	
KEG RIVER O3O	240.0	<0.06		13.9		13.9	13.9	
KEG RIVER P3P	477.0	0.23		110.0		110.0	78.3	31.7
KEG RIVER Q3Q	267.0	0.15		40.0		40.0	30.5	9.5
KEG RIVER R3R	233.0	0.35		81.6		81.6	68.2	13.4
KEG RIVER S3S	222.0	0.35		77.7		77.7	65.8	10.9
KEG RIVER T3T	243.0	<0.07		15.2		15.2	15.2	
KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
KEG RIVER W3W WATER FLOOD	524.0	0.26	0.09	136.0	47.2	183.0	147.8	35.2
KEG RIVER X3X	253.0	<0.02		3.9		3.9	3.9	
KEG RIVER Y3Y	238.0	<0.05		12.2		12.2	12.2	
KEG RIVER Z3Z	477.0	0.35		167.0		167.0	134.7	32.3
KEG RIVER A4A	47.7	<0.01		0.4		0.4	0.4	
KEG RIVER B4B	63.6	<0.18		11.3		11.3	11.3	
KEG RIVER C4C	323.0	<0.13		41.0		41.0	41.0	
KEG RIVER D4D	140.0	<0.11		15.0		15.0	15.0	
KEG RIVER E4E	415.0	0.12		49.8		49.8	41.8	8.0
KEG RIVER F4F	79.5	0.25		19.9		19.9	15.8	4.1
KEG RIVER G4G	370.0	<0.09		30.6		30.6	30.6	
KEG RIVER H4H	381.0	0.15		57.2		57.2	47.4	9.8
KEG RIVER I4I	222.0	<0.17		36.6		36.6	36.6	
KEG RIVER J4J	397.0	<0.03		8.2		8.2	8.2	
KEG RIVER K4K	159.0	0.20		31.8		31.8	26.8	5.0
KEG RIVER L4L	466.0	0.35		163.0		163.0	122.5	40.5
KEG RIVER M4M	210.0	0.20		42.0		42.0	13.9	28.1
KEG RIVER N4N	191.0	0.20		38.2		38.2	28.8	9.4
KEG RIVER O4O	143.0	0.14		20.0		20.0	18.3	1.7
KEG RIVER P4P	159.0	0.35		55.6		55.6	41.7	13.9
KEG RIVER Q4Q	143.0	<0.14		19.5		19.5	19.5	
KEG RIVER R4R	267.0	0.07		18.7		18.7	18.7	
KEG RIVER S4S	270.0	<0.07		17.5		17.5	17.5	
KEG RIVER T4T	318.0	0.40		127.0		127.0	103.7	23.3
KEG RIVER U4U	318.0	0.35		111.0		111.0	81.3	29.7
KEG RIVER V4V	95.3	0.20		19.1		19.1	10.7	8.4
KEG RIVER W4W	95.3	0.30		28.6		28.6	21.5	7.1
KEG RIVER X4X	424.0	0.15		63.6		63.6	37.0	26.6
KEG RIVER Y4Y	26.8	0.30		8.0		8.0	7.0	1.0
KEG RIVER Z4Z	232.0	0.10		23.2		23.2	20.3	2.9
KEG RIVER A5A	874.0	0.20		175.0		175.0	116.6	58.4
KEG RIVER B5B	159.0	<0.13		20.1		20.1	20.1	
KEG RIVER C5C	259.0	0.40		104.0		104.0	56.6	47.4
KEG RIVER D5D	300.0	0.35		105.0		105.0	40.0	65.0
KEG RIVER E5E	425.0	<0.01		0.1		0.1	0.1	
KEG RIVER F5F	181.0	0.20		36.2		36.2	9.3	26.9
KEG RIVER G5G	350.0	0.10		35.0		35.0	14.8	20.2
KEG RIVER H5H	267.0	0.01		2.7		2.7	1.3	1.4
KEG RIVER I5I	322.0	0.20		64.4		64.4	39.0	25.4
KEG RIVER J5J	340.0	0.10		34.0		34.0	12.1	21.9
KEG RIVER K5K	612.0	<0.01		4.2		4.2	4.2	
KEG RIVER L5L	285.0	0.35		100.0		100.0	24.2	75.8
KEG RIVER M5M	223.0	0.20		44.6		44.6	8.6	36.0
KEG RIVER N5N	233.0	0.25		58.3		58.3	11.8	46.5
KEG RIVER O5O	206.0	0.15		30.9		30.9	3.0	27.9
KEG RIVER P5P	3 730.0	0.20		746.0		746.0	16.9	729.1
KEG RIVER Q5Q	1 640.0	0.30		492.0		492.0	8.7	483.3
KEG RIVER R5R	485.0	0.30		146.0		146.0	4.4	141.6
KEG RIVER S5S	317.0	0.25		79.3		79.3	11.5	67.8
KEG RIVER T5T	694.0	<0.01		1.5		1.5	1.5	
KEG RIVER U5U	649.0	0.20		130.0		130.0	7.9	122.1
KEG RIVER V5V	1 580.0	0.20		316.0		316.0	6.9	309.1
KEG RIVER W5W	260.0	0.15		39.0		39.0	9.4	29.6
KEG RIVER X5X	150.0	0.25		37.5		37.5	7.7	29.8
KEG RIVER Y5Y	300.0	0.30		90.0		90.0	14.1	75.9
KEG RIVER Z5Z	283.0	0.30		84.9		84.9	12.7	72.2
KEG RIVER A6A	215.0	0.30		64.5		64.5	8.4	56.1
KEG RIVER B6B	85.1	0.30		25.5		25.5	3.1	22.4
KEG RIVER C6C	186.0	0.20		37.2		37.2	3.1	34.1
KEG RIVER D6D	236.0	0.15		35.4		35.4	1.9	33.5
KEG RIVER E6E	350.0	0.30		105.0		105.0	15.1	89.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
19	24.78	0.090	0.12	0.87	35	865	71	13 460	1 435.9	1969	70 01 - SUSP 71 09
10	58.30	0.071	0.11	0.82	62	865	69	13 460	1 501.7	1969	84 12 - SUSP 84 12
9	55.41	0.079	0.25	0.82	71	855	68	13 410	1 476.8	1967	77 04 - SUSP 77 01
10	80.13	0.092	0.18	0.78	78	855	72	14 620	1 583.1	1968	82 12 - SUSP 86 03
16	42.98	0.065	0.27	0.83	57	870	71	12 350	1 435.6	1969	73 05 - GPP
9	44.80	0.080	0.15	0.85	56	860	67	13 800	1 451.5	1969	82 12
11	23.16	0.112	0.12	0.86	52	887	77	13 650	1 481.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 910	1 533.8	1969	75 12 - SUSP 74 10
1	29.57	0.079	0.16	0.86	46	860	71	9 360	1 500.2	1969	73 02 - SUSP 72 05
7	73.00	0.139	0.09	0.78	85	855	69	13 400	1 520.3	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	60	854	71	8 560	1 524.0	1969	86 12 - SUSP 85 12
12	50.17	0.055	0.20	0.89	30	881	70	13 380	1 473.1	1969	74 12 - SUSP 74 07
15	58.95	0.086	0.15	0.76	94	829	79	15 010	1 522.5	1969	86 12 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 110	1 639.5	1969	70 10 - SUSP 70 01
5	26.97	0.077	0.25	0.84	58	855	77	15 180	1 639.5	1969	78 07 - SUSP 78 04
14	44.84	0.080	0.17	0.79	89	860	71	13 450	1 510.9	1969	82 12 - SUSP 83 04
13	32.34	0.050	0.20	0.81	69	860	69	12 820	1 477.4	1968	70 02 - ABAND 72 05
20	30.48	0.090	0.15	0.88	35	870	69	11 420	1 449.6	1970	86 06
19	23.16	0.030	0.30	0.86	46	865	72	13 730	1 448.1	1967	85 08
7	68.12	0.100	0.10	0.88	35	860	67	12 470	1 469.7	1971	81 12 - SUSP 84 04
14	45.42	0.084	0.18	0.90	29	898	59	12 910	1 428.3	1971	86 12
12	41.45	0.065	0.22	0.90	38	887	62	13 370	1 414.9	1971	86 12 - SUSP 84 04
10	44.50	0.110	0.09	0.89	41	898	62	12 410	1 424.6	1971	76 06 - WTR DISP 75 11
12	31.09	0.060	0.18	0.89	41	898	62	12 240	1 420.4	1971	82 12 - GPP
30	30.48	0.069	0.12	0.84	61	855	70	13 220	1 525.8	1971	83 12
11	56.28	0.061	0.33	0.83	64	855	81	13 510	1 547.8	1971	81 09 - SUSP 85 09
7	39.81	0.086	0.15	0.90	35	881	61	9 410	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	23 310	1 416.4	1971	83 12 - SUSP 84 10
6	39.35	0.085	0.13	0.90	35	892	61	13 820	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 510	1 420.7	1971	83 12 - SUSP 83 04
9	38.71	0.100	0.10	0.90	35	904	61	13 450	1 419.1	1971	82 12 - SUSP 80 03
10	31.09	0.120	0.17	0.90	36	887	62	21 860	1 418.5	1972	85 12 - SUSP 84 05
7	88.70	0.075	0.11	0.78	83	829	77	15 750	1 547.5	1972	75 05 - GPP
21	24.78	0.080	0.11	0.84	59	855	69	12 460	1 486.2	1972	84 12
4	73.75	0.047	0.21	0.87	47	849	72	14 210	1 510.9	1972	81 08 - SUSP 82 07
3	45.54	0.100	0.15	0.87	47	876	71	14 650	1 481.6	1972	75 04 - GPP
12	52.55	0.090	0.10	0.85	60	865	45	7 490	1 519.7	1972	82 12
2	39.32	0.050	0.18	0.83	58	829	74	15 880	1 561.2	1972	86 12
25	24.99	0.055	0.12	0.78	89	834	72	13 610	1 550.5	1971	73 11 - SUSP 85 02
15	77.54	0.099	0.08	0.85	53	876	69	12 270	1 454.5	1973	86 12 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 710	1 553.0	1973	86 12 - SUSP 86 01
7	44.81	0.105	0.09	0.88	27	876	69	5 320	1 444.6	1974	75 04
11	52.80	0.075	0.14	0.80	71	825	88	14 890	1 581.3	1974	83 06
64	17.32	0.060	0.23	0.83	69	860	56	13 540	1 467.0	1978	82 12 - SUSP 79 04
64	9.00	0.050	0.25	0.84	50	861	60	13 550	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 445	1 451.3	1981	86 12 - GPP
8	75.50	0.070	0.20	0.79	76	855	66	13 509	1 487.1	1981	83 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 760	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	12 885	1 508.8	1982	86 12
64	28.50	0.050	0.14	0.78	83	831	78	14 984	1 586.8	1982	86 12 - SUSP 85 04
13	26.00	0.120	0.21	0.89	36	894	61	6 135	1 435.0	1982	84 06
16	23.00	0.080	0.15	0.89	36	911	61	12 819	1 406.5	1983	85 07
40	15.26	0.050	0.08	0.83	60	853	73	13 682	1 527.0	1983	86 06
25	17.60	0.060	0.12	0.89	31	906	66	13 650	1 412.4	1983	85 07
64	55.00	0.140	0.10	0.84	55	32	71	13 965	1 456.6	1984	84 08
64	68.70	0.060	0.25	0.83	60	830	71	13 640	1 500.0	1984	84 08
64	21.00	0.050	0.18	0.88	42	854	69	15 891	1 567.5	1984	84 08 - SUSP 85 07
8	54.60	0.100	0.15	0.83	58	858	74	14 475	1 629.7	1983	86 03
64	17.50	0.080	0.10	0.86	43	881	66	13 503	1 512.0	1983	86 12 - SUSP 85 06
64	29.80	0.050	0.16	0.81	73	856	69	14 900	1 533.8	1983	84 11
64	37.75	0.080	0.12	0.93	51	874	77	14 316	1 470.8	1983	84 11
64	16.60	0.035	0.22	0.90	32	901	52	13 447	1 425.7	1983	85 01
14	38.40	0.050	0.32	0.82	64	864	71	10 438	1 590.4	1984	86 01
35	25.27	0.047	0.18	0.88	42	858	69	12 792	1 462.2	1984	86 06
19	32.10	0.065	0.14	0.83	74	865	70	13 676	1 458.4	1984	86 06
30	23.70	0.043	0.10	0.78	89	855	71	13 015	1 528.7	1984	86 05
38	16.05	0.023	0.26	0.82	64	863	71	13 328	1 449.0	1984	86 06
21	28.99	0.046	0.18	0.81	73	856	69	15 076	1 571.9	1984	86 06
36	16.91	0.055	0.13	0.81	73	846	69	11 072	1 547.2	1984	86 06
6	51.90	0.150	0.12	0.85	49	865	65	7 150	1 471.3	1985	86 04

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER F6F	271.0	0.25		67.8		67.8	7.8	60.0
KEG RIVER G6G	190.0	0.25		47.5		47.5	3.6	43.9
KEG RIVER H6H	301.0	0.25		75.3		75.3	2.1	73.2
KEG RIVER I6I	730.0	0.30		219.0		219.0	12.3	206.7
KEG RIVER J6J	150.0	0.25		37.5		37.5	3.1	34.4
KEG RIVER K6K	1 100.0	0.25		275.0		275.0	3.8	271.2
KEG RIVER Q6Q WATER FLOOD	251.0	0.25	0.10	62.8	25.1	87.9	84.2	3.7
KEG RIVER R6R	130.0	0.25		33.0		33.0	4.1	28.9
UNDEFINED AND CONFIDENTIAL POOLS	196 286.6			30 893.0		30 893.0	2 870.4	28 471.2
TOTAL LIGHT-MEDIUM CRUDE OIL	6 515 015.7			1 409 572.4	615 749.9	2 025 435.8	1 440 069.9	585 814.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
22	27.76	0.060	0.15	0.87	38	882	73	6 600	1 621.5	1985	86 06
17	35.87	0.047	0.22	0.85	49	878	73	7 900	1 555.0	1985	86 06
64	16.50	0.046	0.27	0.85	51	885	66	12 389	1 424.3	1972	85 11
17	75.11	0.083	0.18	0.84	55	865	71	10 294	1 479.8	1985	86 06
22	27.65	0.046	0.33	0.80	84	869	73	14 162	1 602.4	1985	86 09
64	30.90	0.070	0.10	0.88	33	878	69	6 814	1 428.6	1985	86 02
11	59.00	0.059	0.20	0.82							86 12 - GPP
16	23.00	0.050	0.14	0.82	64	865	71	14 728	1 495.5	1967	86 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ALDERSON 015-11W4								
UPPER MANNVILLE A	107.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B	154.0	0.07		10.8		10.8	9.9	0.9
UPPER MANNVILLE C	455.0	0.15		68.3		68.3	30.2	38.1
UPPER MANNVILLE D	1 280.0	0.15		192.0		192.0	99.4	92.6
UPPER MANNVILLE E	108.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE F	205.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	928.0	<0.01		1.7		1.7	1.7	
UPPER MANNVILLE I	376.0	0.04		15.0		15.0	10.6	4.4
UPPER MANNVILLE J	289.0	0.05		14.5		14.5	8.4	6.1
UPPER MANNVILLE L	180.0	0.10		18.0		18.0	13.6	4.4
UPPER MANNVILLE R	575.0	0.15	0.15	86.3	86.2	173.0	76.3	96.7
WATER FLOOD								
UPPER MANNVILLE S	500.0	0.10	0.13	50.0	65.0	115.0	47.7	67.3
WATER FLOOD								
UPPER MANNVILLE T	186.0	0.10		18.6		18.6	11.4	7.2
UPPER MANNVILLE U	213.0	0.05		10.7		10.7	7.6	3.1
UPPER MANNVILLE Y	599.0	0.10		59.9		59.9	37.4	22.5
UPPER MANNVILLE Z	1 200.0	0.10	0.20	120.0	240.0	360.0	120.1	239.9
WATER FLOOD								
UPPER MANNVILLE AA	147.0	0.10		14.7		14.7	9.0	5.7
UPPER MANNVILLE BB	146.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE CC	99.8	0.10		10.0		10.0	7.2	2.8
UPPER MANNVILLE DD	200.0	0.15		30.0		30.0	10.8	19.2
UPPER MANNVILLE EE	127.4	0.10		12.7		12.7	6.0	6.7
UPPER MANNVILLE GG	105.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE HH	124.0	0.05		6.2		6.2	3.9	2.3
UPPER MANNVILLE JJ	106.0	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE KK	276.0	0.10		27.6		27.6	6.3	21.3
UPPER MANNVILLE LL	87.0	0.10		8.7		8.7	5.3	3.4
UPPER MANNVILLE MM	119.0	0.05		6.0		6.0	0.1	5.9
UPPER MANNVILLE NN	109.0	0.05		5.4		5.4	1.4	4.0
UPPER MANNVILLE RR	131.0	0.01		1.3		1.3	0.1	1.2
UPPER MANNVILLE SS	600.0	0.10		60.0		60.0	38.2	21.8
UPPER MANNVILLE TT	42.1	0.10		4.2		4.2	2.5	1.7
UPPER MANNVILLE UU	113.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE WW	194.0	0.10		19.4		19.4	2.8	16.6
UPPER MANNVILLE XX	41.0	0.20		8.2		8.2	6.4	1.8
UPPER MANNVILLE YY	1 090.0	0.05		54.5		54.5	46.1	8.4
UPPER MANNVILLE H&ZZ	127.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE AAA	65.4	0.10		6.5		6.5	0.5	6.0
UPPER MANNVILLE BBB	20.0	0.10		2.0		2.0	1.2	0.8
LOWER MANNVILLE A	626.0	0.20		125.0		125.0	113.7	11.3
LOWER MANNVILLE B	413.0	0.23		95.0	ERSO	95.0	82.8	12.2
LOWER MANNVILLE D	699.0	0.23		160.0	ERSO	160.0	152.9	7.1
LOWER MANNVILLE E	173.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	2 080.0	0.07		146.0		146.0	101.6	44.4
LOWER MANNVILLE G	691.0	0.10		69.1		69.1	54.4	14.7
LOWER MANNVILLE H	677.0	0.07		47.4		47.4	33.9	13.5
LOWER MANNVILLE J	817.0	0.05		40.9		40.9	32.3	8.6
LOWER MANNVILLE K	1 330.0	0.10		133.0		133.0	60.1	72.9
LOWER MANNVILLE L	238.0	0.10		23.8		23.8	13.8	10.0
LOWER MANNVILLE M	49.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	84.9	0.10		8.5		8.5	6.4	2.1
LOWER MANNVILLE O	411.0	0.10		41.1		41.1	12.4	28.7
LOWER MANNVILLE P	82.0	0.10		8.2		8.2	0.4	7.8
LOWER MANNVILLE Q	455.0	0.05		22.8		22.8	7.0	15.8
LOWER MANNVILLE R	59.1	0.05		3.0		3.0	0.2	2.8
LOWER MANNVILLE S	43.4	0.10		4.3		4.3	2.7	1.6
LOWER MANNVILLE U	111.0	0.10		11.1		11.1	4.7	6.4
LOWER MANNVILLE W	261.0	0.05		13.1		13.1	4.3	8.8
LOWER MANNVILLE X	165.0	0.10		16.5		16.5	7.6	8.9
LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	2.8	5.6
LOWER MANNVILLE Z	288.0	0.10		28.8		28.8	15.1	13.7
LOWER MANNVILLE AA	604.0	0.03		18.1		18.1	2.9	15.2
LOWER MANNVILLE BB	572.0	0.05		28.6		28.6	14.0	14.6
LOWER MANNVILLE CC	185.0	0.15		27.8		27.8	18.5	9.3
LOWER MANNVILLE DD	94.1	0.10		9.4		9.4	1.1	8.3
LOWER MANNVILLE EE	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FF	26.5	0.10		2.7		2.7	1.5	1.2
LOWER MANNVILLE GG	92.0	0.05		4.6		4.6	0.1	4.5
LOWER MANNVILLE HH	483.0	0.05		24.2		24.2	5.6	18.6
LOWER MANNVILLE II	68.4	0.05		3.4		3.4	0.8	2.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	1.22	0.220	0.30	0.88	41	910	32	11 500	991.8	1970	70 01 - SUSP 70 11
65	1.52	0.240	0.26	0.88	41	946	32	10 900	994.3	1969	80 12 - GPP
253	1.14	0.230	0.22	0.88	50	928	30	11 090	1 014.2	1971	85 12
358	2.89	0.220	0.38	0.91	54	898	33	10 560	952.5	1970	85 12
64	1.52	0.180	0.31	0.88	54	874	34	11 420	984.8	1971	82 12 - SUSP 82 08
65	2.44	0.230	0.36	0.88	43	965	32	10 860	987.2	1972	78 03 - SUSP 78 01
65	11.58	0.210	0.33	0.88	53	898	32	11 340	1 021.4	1973	83 12 - SUSP 83 10
170	1.81	0.190	0.27	0.88	50	876	31	10 870	979.9	1973	85 12 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 270	1 050.3	1976	85 12
64	2.00	0.200	0.20	0.88	53	865	34	10 955	987.9	1972	83 06
64	5.48	0.230	0.20	0.89	72	890	31	11 030	1 030.1	1978	86 06
60	4.30	0.270	0.17	0.86	99	887	31	11 070	1 027.9	1978	84 03 - GPP
83	1.60	0.210	0.23	0.87	54	887	28	9 970	1 015.7	1979	84 07 - GPP
64	3.00	0.180	0.30	0.88	58	900	30	10 424	1 000.2	1980	80 05
32	10.90	0.260	0.25	0.88	69	882	28	11 315	1 032.9	1980	83 09
117	6.21	0.240	0.15	0.81	39	891	33	11 376	1 024.0	1979	85 02
32	3.40	0.220	0.30	0.88	68	887	34	11 060	1 026.6	1978	81 05
32	3.00	0.220	0.23	0.90	48	925	31	9 698	1 018.0	1980	86 12 - SUSP 81 10
48	1.30	0.230	0.21	0.88	62	897	30	10 650	1 036.0	1980	82 04
90	2.00	0.180	0.30	0.88	45	874	34	10 154	1 011.5	1980	86 12
32	2.00	0.260	0.23	0.88	48	856	32	10 506	1 014.0	1980	81 09
32	3.60	0.160	0.35	0.88	68	888	31	11 483	1 029.4	1980	83 12 - SUSP 81 10
64	1.80	0.170	0.28	0.88	41	904	35	10 833	1 012.9	1974	82 02
32	2.50	0.200	0.25	0.88	43	865	28	10 177	995.0	1981	83 12 - SUSP 81 12
96	2.30	0.200	0.29	0.88	49	868	31	11 320	994.4	1981	83 06 - GPP
16	4.00	0.220	0.30	0.88	50	930	32	10 096	995.0	1982	85 12
16	6.50	0.200	0.35	0.88	51	934	32	10 315	965.0	1982	83 06 - SUSP 84 02
16	4.70	0.220	0.25	0.88	52	925	29	10 828	1 026.0	1981	84 02 - GPP
32	4.30	0.180	0.40	0.88	50	888	31	8 190	990.2	1983	85 12
92	6.90	0.150	0.30	0.90	39	885	33	11 108	1 029.7	1979	85 12
16	2.50	0.180	0.35	0.90	39	885	33	11 051	1 023.8	1979	83 12
32	2.00	0.250	0.20	0.88	50	892	29	9 825	1 017.3	1983	86 12 - SUSP 84 10
64	2.57	0.220	0.39	0.88	50	895	28	9 372	963.1	1984	86 04
16	2.70	0.180	0.40	0.88	50	871	30	10 962	974.1	1984	86 12
65	8.23	0.300	0.20	0.85	57	898	32	11 163	1 008.9	1971	85 02 - GPP
64	1.82	0.202	0.40	0.90	27	946	32	11 916	961.8	1974	85 06 - ABAND 85 09
16	3.30	0.210	0.33	0.88	51	921	30	9 200	959.0	1985	85 12
16	1.30	0.170	0.37	0.90	39	888	33	11 024	1 002.4	1985	86 06
228	2.56	0.174	0.30	0.88	41	904	32	10 200	924.8	1962	83 12 - GPP
134	2.72	0.210	0.40	0.90	41	904	31	10 430	945.8	1964	83 12 - GPP
298	2.07	0.210	0.40	0.90	41	904	29	10 500	942.1	1964	77 12 - GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 030	1 008.6	1970	71 03 - ABAND 71 10
476	2.94	0.260	0.35	0.88	53	876	30	10 490	976.3	1971	79 12 - GPP
65	6.71	0.270	0.33	0.88	53	876	54	10 420	966.2	1971	72 07 - GPP
65	6.10	0.300	0.35	0.88	54	904	32	10 480	963.5	1969	85 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 280	1 026.9	1972	82 12
266	3.43	0.267	0.36	0.85	59	898	29	10 540	973.5	1977	84 12
64	3.50	0.169	0.30	0.90	60	892	29	10 540	961.3	1979	85 06 - GPP
32	2.00	0.150	0.40	0.86	64	888	35	9 881	1 052.0	1979	83 12 - SUSP 80 08
32	2.10	0.210	0.32	0.88	58	888	30	10 100	1 047.7	1979	82 02
192	1.81	0.190	0.31	0.90	40	912	32	10 655	968.8	1980	83 05
64	1.80	0.160	0.50	0.89	50	912	31	11 728	985.3	1970	83 12 - GPP
32	13.20	0.210	0.43	0.90	34	939	34	11 192	1 016.9	1980	81 09
16	3.60	0.190	0.40	0.90	43	939	34	10 421	1 024.8	1981	82 03 - SUSP 83 05
32	2.00	0.110	0.30	0.88	58	878	29	10 678	1 049.5	1981	82 03 - SUSP 86 07
16	5.70	0.190	0.29	0.90	40	914	34	11 177	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 238	961.0	1981	82 09
32	6.60	0.160	0.44	0.87	65	890	31	9 950	1 043.4	1981	84 11
16	5.00	0.180	0.35	0.90	41	897	31	10 969	1 029.9	1982	82 12 - GPP
128	2.49	0.176	0.41	0.90	41	917	31	10 367	937.3	1982	84 12
64	7.53	0.220	0.40	0.95	24	930	33	10 411	963.7	1982	85 12
48	8.77	0.220	0.35	0.95	19	908	32	10 374	973.3	1982	85 01
64	2.67	0.180	0.34	0.91	38	899	33	9 839	990.5	1981	85 12 - GPP
32	4.43	0.150	0.48	0.85	67	875	32	10 103	1 032.0	1982	84 11 - GPP
16	6.20	0.190	0.40	0.90	40	933	31	7 548	974.3	1982	83 05 - SUSP 84 12
32	1.00	0.150	0.35	0.85	67	875	32	10 951	1 042.0	1982	85 12
32	2.20	0.220	0.34	0.90	42	916	32	8 862	966.1	1982	83 06 - SUSP 84 02
96	3.35	0.280	0.39	0.88	47	904	34	10 025	944.1	1982	84 11
16	3.30	0.240	0.40	0.90	39	969	34	9 500	939.2	1982	83 06 - SUSP 85 02

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE JJ	210.0	0.05		10.5		10.5	3.7	6.8
LOWER MANNVILLE KK	243.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	2.3	7.7
LOWER MANNVILLE MM	544.0	0.10		54.4		54.4	9.4	45.0
LOWER MANNVILLE NN	165.0	0.10		16.5		16.5	2.5	14.0
LOWER MANNVILLE OO	46.7	0.10		4.7		4.7	0.4	4.3
LOWER MANNVILLE PP	148.0	0.02		3.0		3.0	0.6	2.4
LOWER MANNVILLE QQ	1 410.0	0.10		141.0		141.0	40.0	101.0
LOWER MANNVILLE SS	23.2	0.15		3.5		3.5	2.6	0.9
LOWER MANNVILLE TT	56.4	0.10		5.6		5.6	5.4	0.2
LOWER MANNVILLE UU	114.0	0.03		3.4		3.4	0.3	3.1
LOWER MANNVILLE VV	103.0	0.10		10.3		10.3	4.5	5.8
LOWER MANNVILLE WW	67.3	0.10		6.7		6.7	4.5	2.2
LOWER MANNVILLE XX	43.4	0.10		4.3		4.3	0.4	3.9
LOWER MANNVILLE YY	41.8	0.10		4.2		4.2	0.3	3.9
LOWER MANNVILLE ZZ	76.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE AAA	391.0	0.10		39.1		39.1	5.8	33.3
LOWER MANNVILLE BBB	31.7	0.10		3.2		3.2	0.9	2.3
LOWER MANNVILLE CCC	54.1	0.10		5.4		5.4	3.1	2.3
LOWER MANNVILLE DDD	28.6	0.10		2.9		2.9	1.9	1.0
LOWER MANNVILLE EEE	10.3	0.10		1.0		1.0	0.3	0.7
LOWER MANNVILLE FFF	44.4	0.10		4.4		4.4	0.4	4.0
LOWER MANNVILLE HHH	32.5	0.10		3.3		3.3	1.6	1.7
LOWER MANNVILLE III	25.7	0.10		2.6		2.6	0.7	1.9
LOWER MANNVILLE JJJ	147.0	0.10		14.7		14.7	5.6	9.1
LOWER MANNVILLE KKK	27.9	0.10		2.8		2.8	1.1	1.7
LOWER MANNVILLE LLL	640.0	0.05		32.0		32.0	10.8	21.2
LOWER MANNVILLE MMM	76.0	0.05		3.8		3.8	1.0	2.8
LOWER MANNVILLE NNN	101.0	0.05		5.1		5.1		5.1
LOWER MANNVILLE OOO	13.2	0.10		1.3		1.3	0.2	1.1
LOWER MANNVILLE QQQ	51.3	0.10		5.1		5.1	1.5	3.6
LOWER MANNVILLE RRR	46.3	0.10		4.6		4.6	0.3	4.3
LOWER MANNVILLE SSS	189.0	0.10		18.9		18.9	3.1	15.8
LOWER MANNVILLE TTT	47.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE UUU	180.0	0.10		18.0		18.0	1.1	16.9
LOWER MANNVILLE VVV	68.9	0.10		6.9		6.9	1.6	5.3
LOWER MANNVILLE ZZZ	105.0	0.15		15.8		15.8	12.5	3.3
LOWER MANNVILLE A2A	562.0	0.15		84.3		84.3	72.1	12.2
LOWER MANNVILLE B2B	337.0	0.10		33.7		33.7	19.1	14.6
LOWER MANNVILLE C2C	229.0	0.10		22.9		22.9	0.2	22.7
LOWER MANNVILLE D2D	34.8	0.10		3.5		3.5	2.9	0.6
DETRITAL A	178.0	0.10		17.8		17.8	3.8	14.0
DETRITAL B	151.0	0.10		15.1		15.1	5.0	10.1
DETRITAL C	77.4	0.10		7.7		7.7	2.3	5.4
DETRITAL D	146.0	<0.01		0.4		0.4	0.4	
DETRITAL F	143.0	<0.03		3.6		3.6	3.6	
ALEXANDER 056-27W4								
BASAL QUARTZ D	175.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ E	126.0	0.08		10.1		10.1	6.4	3.7
WABAMUN B	513.0	<0.01		0.3		0.3	0.3	
WABAMUN C	41.9	0.10		4.2		4.2	1.1	3.1
ALEXIS 055-04W5								
OSTRACOD A	159.0	<0.01		0.7		0.7	0.7	
OSTRACOD B	296.0	0.03		8.9		8.9	7.9	1.0
BANFF A	7 580.0	0.15		1 140.0		1 140.0	365.9	774.1
ALTARIO 035-01W4								
GLAUCONITIC A	86.6	<0.01		0.1		0.1		0.1
GLAUCONITIC B	72.4	<0.01		0.1		0.1		0.1
GLAUCONITIC C	56.0	<0.01		0.2		0.2	0.2	
ARMADA 016-19W4								
UPPER MANNVILLE E	318.0	0.10		31.8		31.8	0.4	31.4
BASAL QUARTZ C	6.3	0.10		0.6		0.6	0.3	0.3
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.3	<0.03		1.9		1.9	1.0	0.9
UPPER MANNVILLE F	3 800.0	0.05		190.0		190.0	39.6	150.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	13.00	0.190	0.41	0.90	41	933	33	10 415	973.1	1982	83 07
32	8.50	0.178	0.43	0.88	50	907	33	10 041	950.3	1983	83 11 - SUSP 84 09
32	3.60	0.160	0.40	0.90	41	910	28	10 142	934.3	1982	83 12
64	7.50	0.180	0.30	0.90	42	890	31	11 274	1 002.2	1983	84 05
64	2.00	0.220	0.35	0.90	42	887	30	9 665	967.3	1983	84 05
16	3.00	0.170	0.35	0.88	52	931	29	9 674	968.3	1983	84 05
16	6.70	0.230	0.32	0.88	52	928	33	10 533	981.8	1983	85 12
294	4.56	0.190	0.37	0.88	100	894	30	10 710	983.4	1983	86 05
16	1.60	0.170	0.40	0.89	41	927	30	10 415	941.0	1983	86 12
16	3.00	0.220	0.40	0.89	41	927	27	10 572	948.5	1983	84 09
16	5.20	0.240	0.35	0.88	50	930	34	10 094	1 019.6	1982	85 12
16	6.10	0.200	0.40	0.88	50	943	33	10 373	984.8	1983	84 09
16	3.50	0.210	0.35	0.88	50	943	33	10 478	995.9	1983	84 09
32	1.00	0.230	0.33	0.88	50	915	30	11 120	1 017.7	1983	84 10
16	3.60	0.150	0.45	0.88	50	890	31	10 254	1 037.2	1983	84 10 - SUSP 86 07
16	5.00	0.180	0.40	0.88	50	882	31	11 278	1 041.5	1983	84 10 - ABAND 84 06
64	4.70	0.220	0.35	0.91	37	877	29	9 725	964.4	1984	84 10
16	1.20	0.250	0.25	0.88	42	904	32	10 904	1 041.1	1980	81 12 - SUSP 86 05
16	3.90	0.170	0.40	0.85	65	902	31	10 669	1 030.2	1984	84 11
16	2.50	0.140	0.40	0.85	65	902	31	10 915	1 043.9	1984	84 11
16	0.60	0.180	0.32	0.88	53	895	30	10 205	988.8	1984	84 11 - SUSP 85 05
16	2.50	0.180	0.30	0.88	67	875	33	10 435	1 057.6	1984	84 12
16	2.10	0.200	0.45	0.88	54	928	30	10 064	964.0	1984	84 12
16	1.80	0.160	0.38	0.90	40	904	30	10 910	1 022.8	1973	85 01 - GPP
32	2.70	0.260	0.26	0.88	53	895	30	10 541	990.8	1984	85 07
32	1.00	0.180	0.45	0.88	53	897	30	10 251	982.8	1984	85 02
64	8.86	0.190	0.34	0.90	42	895	30	9 970	982.9	1984	85 08
32	2.50	0.180	0.40	0.88	50	900	32	9 755	929.1	1984	85 03
32	4.80	0.150	0.50	0.88	50	900	34	10 235	987.6	1984	85 03 - SUSP 86 01
16	1.00	0.180	0.48	0.88	50	925	30	9 264	932.2	1984	85 05
16	3.40	0.170	0.37	0.88	50	880	30	9 239	995.7	1984	85 05
16	2.20	0.220	0.35	0.92	33	880	30	9 917	976.4	1984	85 05
16	10.00	0.210	0.36	0.88	50	885	30	7 700	990.6	1985	85 07
16	3.90	0.170	0.50	0.90	42	871	31	11 380	1 004.0	1985	85 07 - SUSP 85 06
32	5.40	0.170	0.32	0.90	42	890	33	11 012	1 040.2	1984	85 07
16	4.00	0.180	0.32	0.88	50	918	30	9 000	993.6	1985	85 09
16	3.30	0.300	0.22	0.85	64	892	32	10 608	1 003.8	1962	86 12 - GPP
64	8.20	0.180	0.30	0.85	64	892	32	10 824	983.0	1962	85 12 - GPP
32	10.40	0.170	0.30	0.85	64	892	32	10 857	982.2	1963	85 12 - GPP
32	4.90	0.220	0.30	0.95	26	920	21	7 791	964.7	1985	86 03
32	1.50	0.150	0.45	0.88	53	895	28	8 300	981.2	1984	86 05
64	2.50	0.200	0.37	0.88	50	902	31	12 975	1 045.0	1983	83 07
64	3.03	0.170	0.48	0.88	52	895	33	10 480	985.8	1983	85 12
32	2.50	0.200	0.45	0.88	52	888	31	10 604	933.0	1983	85 12
64	2.10	0.190	0.35	0.88	52	893	31	7 786	978.2	1985	85 08 - ABAND 85 12
32	3.40	0.230	0.33	0.85	64	892	32	10 395	991.2	1963	85 12 - GPP
65	3.05	0.160	0.35	0.85	35	927	38	8 830	1 157.6	1968	71 12 - SUSP 71 10
64	1.52	0.230	0.34	0.85	66	887	48	9 100	1 234.1	1976	85 12
65	10.06	0.124	0.25	0.85	39	927	48	9 100	1 234.1	1968	71 12 - ABAND 72 12
16	5.90	0.095	0.44	0.85	64	938	37	9 214	1 241.8	1984	85 04
65	2.44	0.160	0.30	0.90	50	921	43	11 380	1 361.8	1968	71 12 - ABAND 71 12
65	3.66	0.200	0.30	0.89	44	946	43	11 460	1 388.1	1970	73 12 - GPP
729	14.36	0.130	0.36	0.87	51	921	43	11 470	1 373.7	1968	83 09
16	4.00	0.230	0.40	0.98	7	970	30	6 999	857.0	1980	80 10 - SUSP 81 09
16	3.50	0.220	0.40	0.98	7	970	30	7 010	861.8	1980	80 10 - SUSP 81 09
16	1.70	0.280	0.25	0.98	14	985	33	6 268	871.9	1979	80 03 - ABAND 83 01
64	8.68	0.120	0.47	0.90	62	922	35	11 138	1 169.7	1984	86 01 - SUSP 86 07
16	0.60	0.120	0.38	0.88	50	930	37	11 701	1 232.7	1981	83 11 - SUSP 85 09
16	3.10	0.260	0.37	0.95	32	969	26	10 170	922.2	1972	83 06 - SUSP 83 03
576	4.00	0.260	0.31	0.92	20	972	31	10 350	920.6	1976	81 07 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ATLEE-BUFFALO 021-06W4 (CONTINUED)								
UPPER MANNVILLE G	5 070.0	0.08		406.0		406.0	150.7	255.3
UPPER MANNVILLE K	46.7	0.05		2.3		2.3	1.5	0.8
GLAUCONITIC A	142.0	0.05		7.1		7.1	1.5	5.6
GLAUCONITIC B	25.1	0.05		1.3		1.3	0.2	1.1
OSTRACOD A	22.5	0.05		1.1		1.1	0.1	1.0
BASAL MANNVILLE B	192.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE D	462.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE E	80.0	0.10		8.0		8.0	5.9	2.1
BASAL MANNVILLE F	26.5	0.10		2.7		2.7	1.4	1.3
BANFF A	188.0	<0.01		0.3		0.3	0.3	
AUBURNDALE 047-06W4								
COLONY F	103.0	0.05		5.2		5.2	0.1	5.1
WAINWRIGHT A	914.0	0.08		73.1		73.1	59.1	14.0
WAINWRIGHT B	1 590.0	0.05		79.5		79.5	33.5	46.0
BADGER 016-18W4								
UPPER MANNVILLE B TOTAL	2 350.0			305.0	351.0	656.0	46.7	609.3
PRIMARY AREA	1 050.0	0.13		136.0		136.0		
WATER FLOOD AREA	1 300.0	0.13	0.27	169.0	351.0	520.0		
UPPER MANNVILLE D	100.0	0.10		10.0		10.0	6.8	3.2
LOWER MANNVILLE A	101.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE C	37.4	0.05		1.9		1.9		1.9
BANTRY 018-13W4								
MANNVILLE A	25 300.0	0.32		8 100.0		8 100.0	5 561.7	2 538.3
MANNVILLE B	1 510.0	0.15		227.0		227.0	186.2	40.8
MANNVILLE D	3 700.0	0.25		925.0		925.0	801.8	123.2
MANNVILLE F	550.0	0.16		88.0		88.0	75.6	12.4
MANNVILLE G	752.0	0.10		75.2		75.2	64.8	10.4
MANNVILLE H	100.0	0.05		5.0		5.0	1.7	3.3
MANNVILLE I	165.0	0.12		19.8		19.8	16.1	3.7
MANNVILLE J	545.0	<0.01		0.2		0.2	0.2	
MANNVILLE M	1 120.0	0.02		22.4		22.4	10.9	11.5
MANNVILLE O	173.0	0.07		12.1		12.1	9.6	2.5
MANNVILLE P	188.0	0.10		18.8		18.8	17.0	1.8
MANNVILLE R	76.8	<0.01		0.1		0.1	0.1	
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	0.8
MANNVILLE V	82.1	0.10		8.2		8.2	0.5	7.7
MANNVILLE W	128.0	0.05		6.4		6.4	2.0	4.4
MANNVILLE Z	175.0	0.15		26.3		26.3	10.2	16.1
MANNVILLE AA	183.0	0.10		18.3		18.3	0.8	17.5
MANNVILLE DD	297.0	0.10		29.7		29.7	6.2	23.5
MANNVILLE FF	1 300.0	<0.17		220.0		220.0	168.7	51.3
MANNVILLE GG	64.2	0.10		6.4		6.4	0.6	5.8
MANNVILLE HH	83.1	<0.01		0.1		0.1	0.1	
MANNVILLE II	169.0	0.10		16.9		16.9	0.6	16.3
MANNVILLE JJ	11.9	<0.01		0.1		0.1		0.1
SUNBURST A	146.0	0.10		14.6		14.6	7.6	7.0
SUNBURST B	97.7	0.10		9.8		9.8	0.8	9.0
DETRITAL A	58.9	0.10		5.9		5.9	2.7	3.2
DETRITAL B	414.0	0.10		41.4		41.4	14.0	27.4
PEKISKO A	66.7	<0.02		0.8		0.8	0.8	
PEKISKO B	172.0	<0.01		0.8		0.8	0.8	
PEKISKO C	134.0	0.10		13.4		13.4	2.6	10.8
PEKISKO G	1 181.0	0.10		118.0		118.0	40.8	77.2
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
BAXTER LAKE 046-05W4								
MANNVILLE C	567.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT	1 340.0	0.15		201.0		201.0	179.5	21.5
WAINWRIGHT C	296.0	0.10		29.6		29.6	20.8	8.8
LLOYDMINSTER A	205.0	<0.01		0.2		0.2	0.2	
BERRY 027-12W4								
UPPER MANNVILLE I	44.5	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE J	81.0	<0.01		0.7		0.7	0.7	
UPPER MANNVILLE M	84.5	0.10		8.5		8.5	0.6	7.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
565	4.53	0.280	0.24	0.93	22	969	30	10 032	890.8	1980	85 07 - GPP
16	1.80	0.280	0.39	0.95	32	969	26	5 580	986.6	1977	83 09 - GPP
16	5.70	0.240	0.30	0.93	31	965	32	8 861	875.4	1981	82 04 - SUSP 85 09
16	1.30	0.200	0.35	0.93	30	976	32	8 780	866.9	1982	84 05 - SUSP 84 04
16	1.00	0.220	0.34	0.97	10	980	33	9 230	1 009.2	1982	83 01 - SUSP 84 03
16	9.70	0.220	0.42	0.97	21	986	33	10 690	1 020.2	1976	78 10 - SUSP 77 09
65	6.10	0.220	0.44	0.95	21	999	28	9 450	942.1	1974	77 02 - SUSP 84 11
32	2.40	0.184	0.42	0.97	21	986	33	9 896	1 009.7	1976	82 06 - GPP
16	1.20	0.230	0.38	0.97	21	986	33	10 645	1 013.8	1976	82 06 - GPP
16	7.00	0.250	0.30	0.96	15	998	32	10 250	897.2	1982	85 12 - SUSP 82 12
16	4.00	0.270	0.40	0.99	8	971	26	2 529	619.6	1981	82 07 - SUSP 83 11
348	1.52	0.300	0.40	0.96	14	959	24	3 760	630.9	1964	85 12 - GPP
370	1.82	0.316	0.22	0.96	9	959	24	3 860	626.8	1974	81 12 - GPP
273					56	930	34	11 853	1 110.3	1981	86 12
141	4.84	0.230	0.24	0.88							
132	6.40	0.230	0.24	0.88							
100	1.26	0.150	0.40	0.88	55	930	33	12 656	1 114.1	1983	86 02
16	5.90	0.150	0.20	0.90	46	965	38	12 270	1 149.3	1978	79 02 - SUSP 79 02
16	2.50	0.200	0.48	0.90	43	928	38	11 500	1 183.5	1985	86 04
4 565	3.44	0.265	0.31	0.88	54	904	28	10 860	990.6	1948	85 11 - GPP
392	2.50	0.250	0.30	0.88	54	904	28	10 790	971.1	1960	83 12 - GPP
814	3.24	0.228	0.30	0.88	54	904	33	10 790	1 021.4	1963	84 08
128	3.00	0.250	0.35	0.88	54	904	33	11 200	1 013.5	1962	83 12 - GPP
192	2.65	0.240	0.30	0.88	54	904	28	10 830	979.3	1964	80 12 - GPP
32	2.13	0.230	0.30	0.90	54	904	38	10 930	1 004.3	1965	83 09 - GPP
70	1.83	0.230	0.30	0.80	54	904	32	11 030	1 027.5	1965	86 12 - GPP
65	7.01	0.210	0.35	0.88	54	904	33	10 960	1 018.3	1967	68 09 - ABAND 68 07
120	6.06	0.250	0.30	0.88	54	904	36	8 960	1 003.1	1958	85 12 - GPP
32	3.05	0.250	0.10	0.79	57	915	37	11 400	1 012.2	1964	81 12
32	3.97	0.240	0.30	0.88	54	904	28	10 930	974.1	1968	83 12 - GPP
32	2.50	0.220	0.51	0.89	47	910	37	10 578	1 006.3	1979	81 02 - SUSP 80 03
32	1.53	0.250	0.35	0.88	54	904	33	10 551	1 019.1	1962	83 01 - GPP
32	2.70	0.180	0.40	0.88	54	903	31	9 818	973.9	1980	81 12 - SUSP 83 05
32	3.50	0.200	0.35	0.88	54	914	31	9 592	948.5	1980	84 12
32	4.50	0.200	0.31	0.88	48	883	34	10 596	964.8	1982	85 08
64	2.50	0.200	0.35	0.88	48	893	35	10 304	1 010.5	1982	83 01
96	2.99	0.210	0.44	0.88	54	887	29	9 339	949.5	1983	83 09 - GPP
253	3.23	0.255	0.29	0.88	54	904	33	10 790	1 014.2	1968	84 08
64	1.00	0.190	0.40	0.88	50	893	37	9 188	1 025.3	1984	84 11
64	1.10	0.220	0.39	0.88	53	882	30	10 867	1 005.4	1984	85 05 - SUSP 85 04
64	2.38	0.200	0.37	0.88	49	893	34	7 200	1 019.9	1985	85 10
16	1.20	0.150	0.53	0.88	49	870	30	7 200	969.1	1985	85 10 - ABAND 86 02
32	5.00	0.160	0.35	0.88	48	880	32	10 414	961.5	1983	86 10
64	1.70	0.170	0.40	0.88	48	870	32	9 704	954.9	1983	83 09 - SUSP 83 03
32	1.53	0.228	0.40	0.88	42	870	30	8 371	972.0	1983	83 11 - GPP
64	4.44	0.240	0.31	0.88	50	882	30	10 180	972.5	1984	84 09
16	14.63	0.045	0.30	0.90	53	965	39	10 740	976.6	1966	68 05 - ABAND 68 09
55	3.05	0.170	0.33	0.90	40	934	32	10 290	983.0	1977	83 12 - ABAND 78 05
64	2.00	0.150	0.20	0.87	55	880	33	9 500	1 007.5	1982	83 01
318	7.54	0.076	0.28	0.90	41	896	32	10 694	965.8	1972	86 10
32	3.00	0.110	0.30	0.80	51	921	40	9 777	1 222.5	1949	82 12 - SUSP 82 02
64	3.70	0.330	0.22	0.93	28	959	29	4 450	661.1	1976	85 12 - SUSP 85 08
307	2.00	0.330	0.31	0.96	18	952	22	3 930	667.8	1948	84 12 - GPP
56	2.53	0.320	0.32	0.96	20	959	20	3 890	669.3	1973	84 10 - GPP
16	10.67	0.240	0.45	0.90	27	927	32	4 128	707.6	1975	78 12 - SUSP 78 12
16	2.77	0.190	0.42	0.91	44	910	34	9 580	1 104.1	1977	84 12 - SUSP 83 04
32	2.47	0.190	0.40	0.90	43	876	37	9 482	1 119.2	1978	83 12 - SUSP 81 11
64	2.00	0.150	0.50	0.88	48	858	34	10 145	1 100.5	1978	83 12

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BERRY 027-12W4 (CONTINUED)								
LOWER MANNVILLE A	888.0	0.04		35.5		35.5	22.3	13.2
LOWER MANNVILLE F	105.0	0.08		8.4		8.4	6.5	1.9
BIGORAY 052-08W5								
PEKISKO A	5 400.0	0.03		162.0		162.0	116.4	45.6
PEKISKO F	21.9	0.10		2.2		2.2		2.2
BINDLOSS 022-04W4								
GLAUCONITIC A	43.1	0.05		2.2		2.2	1.0	1.2
LOWER MANNVILLE A	194.0	0.03		5.8		5.8	4.0	1.8
LOWER MANNVILLE B	166.0	0.05		8.3		8.3	0.1	8.2
BIRCH 050-11W4								
GENERAL PETROLEUM A	105.0	0.05		5.3		5.3	1.4	3.9
BLACK BUTTE 001-08W4								
MANNVILLE B	558.0	0.03		16.7		16.7	13.8	2.9
BLUERIDGE 059-10W5								
PEKISKO A	1 720.0	<0.01		5.5		5.5	5.5	
BOLLOQUE 065-24W4								
UPPER MANNVILLE A	246.0	0.01		2.5		2.5	1.8	0.7
UPPER MANNVILLE G	1 132.0	0.05		56.6		56.6	2.0	54.6
BOW ISLAND 011-11W4								
GLAUCONITIC A	5 230.0	0.10		523.0		523.0	64.4	458.6
LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.1	3.8
LOWER MANNVILLE B	71.7	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE C	59.2	0.10		5.9		5.9	2.4	3.5
LOWER MANNVILLE D	173.0	<0.01		0.3		0.3	0.3	
BUFF COULEE 047-07W4								
COLONY H	139.0	0.05		7.0		7.0	0.3	6.7
CESSFORD 025-13W4								
BASAL COLORADO A TOTAL	11 800.0			1 800.0	899.0	2 700.0	1 740.7	959.3
PRIMARY AREA	5 840.0	0.15		900.0		900.0		
WATER FLOOD AREA	5 990.0	0.15	0.15	899.0	899.0	1 800.0		
MANNVILLE M & BASAL COLORADO H	227.0	<0.01		0.4		0.4	0.4	
MANNVILLE B	780.0	0.06		46.8		46.8	38.9	7.9
MANNVILLE C	32 000.0	0.09		2 880.0		2 880.0	2 105.8	774.2
MANNVILLE E	286.0	0.10		28.6		28.6	26.6	2.0
MANNVILLE I	139.0	0.10		13.9		13.9	10.1	3.8
MANNVILLE X	190.0	0.15		28.5		28.5	23.7	4.8
MANNVILLE NN	130.0	<0.01		0.2		0.2	0.2	
MANNVILLE QQ	128.0	<0.04		4.6		4.6	4.6	
MANNVILLE Y&Z	5 360.0	0.15		804.0		804.0	367.2	436.8
MANNVILLE GGG	81.0	0.10		8.1		8.1	5.4	2.7
MANNVILLE RRR	137.0	0.05		6.9		6.9	1.2	5.7
MANNVILLE VVV	47.6	0.10		4.8		4.8	0.4	4.4
MANNVILLE WWW	89.1	<0.01		0.5		0.5	0.5	
MANNVILLE XXX	146.0	<0.01		0.2		0.2	0.2	
MANNVILLE L2L	57.7	0.10		5.8		5.8	2.0	3.8
MANNVILLE O2O	104.0	0.10		10.4		10.4	2.7	7.7
MANNVILLE P2P	149.0	<0.01		0.1		0.1		0.1
COLONY A	55.6	0.05		2.8		2.8	0.3	2.5
BASAL QUARTZ C	789.0	0.05		39.4		39.4	3.8	35.6
BASAL QUARTZ F	103.0	0.10		10.3		10.3	1.5	8.8
PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
CHAUVIN 043-01W4								
MANNVILLE A TOTAL	6 440.0			688.0	550.0	1 240.0	1 096.3	143.7
PRIMARY AREA	341.0	0.05		17.0		17.0		
WATER FLOOD AREA	6 100.0	0.11	0.09	671.0	550.0	1 220.0		
MANNVILLE B	800.0	0.10		80.0		80.0	56.2	23.8
SPARKY A WATER FLOOD	300.0	0.10	0.10	30.0	30.0	60.0	50.9	9.1
SPARKY D	1 510.0	0.08		121.0		121.0	48.6	72.4
SPARKY E	276.0	0.10		27.6		27.6	15.1	12.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
160	4.47	0.210	0.35	0.91	40	891	34	9 670	1 080.1	1965	83 10 - GPP
32	3.40	0.180	0.41	0.91	51	860	42	9 324	1 115.4	1976	82 12
3 000	4.58	0.072	0.35	0.84	62	915	64	15 070	1 903.8	1969	85 01 - GPP
32	4.20	0.035	0.44	0.83	68	935	65	15 355	1 977.0	1979	86 08 - SUSP 86 05
16	1.50	0.270	0.30	0.95	44	945	31	10 620	785.8	1982	83 01 - GPP
32	3.40	0.280	0.33	0.95	22	974	30	9 300	787.9	1974	81 12 - GPP
16	6.10	0.280	0.36	0.95	16	778	40	7 130	786.3	1981	83 01 - SUSP 82 12
16	4.50	0.280	0.45	0.98	3	965	24	4 871	643.8	1980	82 03 - SUSP 84 04
65	6.10	0.250	0.35	0.87	62	915	32	8 520	930.2	1969	75 12 - GPP
2 148	2.07	0.065	0.30	0.85	46	940	54	12 490	1 759.3	1968	74 12 - ABAND 81 03
65	2.44	0.250	0.35	0.96	35	946	21	5 810	863.2	1975	76 04 - GPP
48	13.37	0.270	0.34	0.99	10	971	24	4 316	632.9	1984	86 10
288	9.55	0.260	0.23	0.95	19	920	34	9 876	911.3	1985	86 05
16	2.50	0.200	0.35	0.95	16	928	31	10 686	918.8	1979	82 03
16	3.30	0.220	0.35	0.95	21	931	33	10 185	925.7	1980	85 12 - SUSP 84 01
32	1.50	0.220	0.41	0.95	16	916	31	10 310	930.8	1984	84 11
32	3.00	0.260	0.27	0.95	20	916	33	4 000	927.0	1985	85 07 - SUSP 85 08
16	4.60	0.300	0.30	0.90	18	961	92	3 032	601.7	1976	84 11 - SUSP 85 12
3 238					46	898	27	8 720	929.9	1952	82 07 - GPP
1 755	2.35	0.258	0.39	0.90							
1 483	3.07	0.240	0.39	0.90							
128	1.69	0.232	0.48	0.87	60	904	33	9 710	1 056.7	1975	76 12 - SUSP 77 04
403	1.89	0.230	0.50	0.89	44	904	35	9 760	1 033.6	1953	82 12 - GPP
4 224	6.57	0.220	0.43	0.92	44	910	31	9 760	1 019.5	1951	86 02 - GPP
66	3.90	0.247	0.48	0.87	44	904	37	9 650	1 040.0	1962	77 12 - GPP
65	2.44	0.220	0.54	0.87	45	892	31	9 720	1 022.3	1951	73 12 - GPP
64	3.10	0.200	0.45	0.87	45	892	31	8 540	1 019.6	1968	86 12 - GPP
65	1.83	0.230	0.45	0.87	48	892	31	9 580	1 009.5	1976	77 02 - SUSP 76 05
65	1.52	0.200	0.30	0.90	44	915	32	8 760	1 024.4	1974	77 02 - SUSP 82 11
1 881	2.55	0.204	0.37	0.87	45	892	35	9 550	1 010.6	1951	85 09 - GPP
64	1.50	0.210	0.55	0.89	49	904	32	8 340	1 012.8	1977	79 01 - SUSP 86 06
32	3.00	0.230	0.31	0.90	25	919	32	7 906	1 025.5	1980	82 06
32	1.74	0.190	0.50	0.90	31	920	33	7 200	1 023.5	1981	82 07 - SUSP 83 12
32	3.20	0.200	0.50	0.87	40	944	36	9 884	1 061.3	1981	85 12 - SUSP 83 09
32	4.45	0.193	0.41	0.90	38	910	39	8 008	1 054.2	1982	85 12 - SUSP 82 11
32	2.40	0.180	0.52	0.87	56	910	31	9 550	997.4	1984	84 12
64	1.50	0.220	0.40	0.82	78	766	30	6 200	1 102.3	1985	85 12
64	2.00	0.230	0.45	0.92	33	919	34	9 177	1 042.0	1985	86 06 - SUSP 86 04
16	3.00	0.230	0.44	0.90	40	955	38	8 646	860.5	1974	83 08 - GPP
192	6.55	0.140	0.46	0.83	56	865	40	9 250	1 302.9	1980	85 12
64	3.00	0.150	0.60	0.89	40	859	32	9 679	996.8	1981	85 08
65	1.83	0.100	0.40	0.89	66	844	44	9 580	1 277.4	1961	61 09 - ABAND 68 05
844					14	921	24	4 830	630.0	1952	80 12
64	3.30	0.300	0.44	0.96							
780	4.85	0.300	0.44	0.96							- GPP
191	2.24	0.300	0.35	0.96	14	921	24	4 830	615.7	1954	84 12 - GPP
130	1.82	0.240	0.45	0.96	14	922	24	5 540	625.7	1980	82 07
655	1.27	0.300	0.37	0.96	17	950	24	4 712	589.6	1974	84 12
80	1.81	0.320	0.48	0.96	17	943	24	4 340	612.6	1979	85 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CHAUVIN 043-01W4 (CONTINUED)								
GENERAL PETROLEUM A	234.0	0.02		4.7		4.7	0.8	3.9
LLOYDMINSTER A	401.0	0.05		20.1		20.1	4.6	15.5
LLOYDMINSTER B	369.0	0.10		36.9		36.9	1.6	35.3
LLOYDMINSTER C	253.0	0.02		5.1		5.1	0.1	5.0
CUMMINGS A	556.0	0.02		11.1		11.1	6.4	4.7
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194.0	<0.01		0.3		0.3	0.3	
COLONY A	556.0	0.05		27.8		27.8	14.8	13.0
COLONY B	833.0	0.03		25.0		25.0	17.9	7.1
COLONY H	567.0	0.10		56.7		56.7	21.0	35.7
COLONY D	231.0	0.05		11.6		11.6	3.1	8.5
SPARKY E TOTAL	3 640.0			255.0	428.0	683.0	567.3	115.7
PRIMARY AREA	1 260.0	0.07		88.0		88.0		
WATER FLOOD AREA	2 380.0	0.07	0.18	167.0	428.0	595.0		
SPARKY H TOTAL	2 980.0			209.0	412.0	621.0	528.0	93.0
PRIMARY AREA	695.0	0.07		48.7		48.7		
WATER FLOOD AREA	2 290.0	0.07	0.18	160.0	412.0	572.0		
SPARKY M	501.0	0.02		10.0		10.0	6.9	3.1
SPARKY O	163.0	0.05		8.2		8.2	5.5	2.7
SPARKY P	342.0	0.05		17.1		17.1	12.9	4.2
SPARKY T	66.6	0.05		3.3		3.3	2.8	0.5
SPARKY U	13.1	0.05		0.7		0.7		0.7
SPARKY V	116.0	0.05		5.8		5.8	3.8	2.0
SPARKY W	234.0	0.05		11.7		11.7	2.6	9.1
SPARKY X	264.0	0.07		18.5		18.5	11.4	7.1
SPARKY Z	70.6	0.05		3.5		3.5	0.3	3.2
SPARKY AA	60.2	0.05		3.0		3.0	0.1	2.9
SPARKY BB	60.1	0.10		6.0		6.0	2.8	3.2
SPARKY A&B TOTAL	11 500.0			845.0	865.0	1 710.0	1 211.5	498.5
PRIMARY AREA	3 600.0	0.05		180.0		180.0		
WATER FLOOD AREA	7 860.0	<0.09	0.11	665.0	865.0	1 530.0		
SPARKY N R & S	1 910.0	0.05		95.6		95.6	52.0	43.6
GENERAL PETROLEUM A	67.7	0.08		5.4		5.4	2.6	2.8
GENERAL PETROLEUM B	9.3	0.10		1.0		1.0	0.6	0.4
REX A	90.4	0.05		4.5		4.5	0.9	3.6
LLOYDMINSTER A	391.0	0.05		19.6		19.6	9.8	9.8
LLOYDMINSTER C	2 850.0	0.10		285.0		285.0	197.7	87.3
LLOYDMINSTER D TOTAL	1 730.0			173.0	132.0	305.0	252.6	52.4
PRIMARY AREA	78.6	0.10		7.9		7.9		
WATER FLOOD AREA	1 650.0	0.10	0.08	165.0	132.0	297.0		
LLOYDMINSTER E	466.0	0.03		14.0		14.0	2.6	11.4
LLOYDMINSTER F	373.0	<0.02		6.9		6.9	1.6	5.3
LLOYDMINSTER G TOTAL	3 420.0			119.0	35.4	155.0	58.2	96.8
PRIMARY AREA	1 650.0	0.04		66.0		66.0		
WATER FLOOD AREA	1 770.0	0.03	0.02	53.1	35.4	88.5		
LLOYDMINSTER H	148.0	0.05		7.4		7.4	1.6	5.8
LLOYDMINSTER I	162.0	0.05		8.1		8.1		8.1
LLOYDMINSTER J	157.0	0.10		15.7		15.7	1.0	14.7
DINA A	107.0	<0.01		0.1		0.1	0.1	
LEDUC A	132.0	0.05		6.6		6.6	0.4	6.2
CHERHILL 056-05W5								
BANFF B	1 000.0	0.06		60.0		60.0	30.6	29.4
BANFF C	1 100.0	0.10		110.0		110.0	33.0	77.0
BANFF F	13 800.0	0.10		1 380.0		1 380.0	117.6	1 262.4
BANFF Q	113.0	<0.01		0.2		0.2	0.2	
BANFF V	217.0	0.03		6.5		6.5	3.9	2.6
CHIGWELL 041-24W4								
MANNVILLE C	342.0	<0.01		1.7		1.7	1.7	
CHIN COULEE 007-14W4								
GLAUCONITIC A	221.0	0.05		11.1		11.1	0.5	10.6
BASAL MANNVILLE A TOTAL	3 890.0			389.0	502.0	891.0	795.2	95.8
PRIMARY AREA	548.0	0.10		54.8		54.8		
WATER FLOOD AREA	3 340.0	0.10	0.15	334.0	502.0	836.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	3.37	0.310	0.28	0.97	13	950	24	4 664	636.7	1979	83 11
32	6.47	0.280	0.28	0.96	16	940	25	4 600	658.7	1978	82 05
32	6.00	0.290	0.31	0.96	16	940	29	3 800	695.2	1985	85 12 - SUSP 86 06
16	6.20	0.310	0.17	0.99	14	955	26	4 244	667.4	1985	86 08
64	4.44	0.290	0.29	0.95	21	956	26	4 452	637.6	1978	82 09 - GPP
16	5.40	0.320	0.23	0.91	45	985	24	4 292	608.9	1979	80 06 - SUSP 80 12
64	4.42	0.292	0.30	0.95	14	927	25	4 220	608.1	1963	83 03
40	9.45	0.320	0.29	0.97	9	972	33	4 010	592.2	1972	85 12 - GPP
80	3.36	0.300	0.29	0.99	12	956	24	4 080	564.6	1978	85 12 - GPP
32	3.53	0.310	0.32	0.97	20	940	35	4 030	568.2	1983	86 12
807					14	910	24	4 790	643.8	1969	84 12
244	2.50	0.290	0.26	0.96							
563	2.05	0.290	0.26	0.96							- GPP
450					20	898	28	4 730	628.3	1971	86 03
109	2.58	0.307	0.16	0.96							
341	2.71	0.307	0.16	0.96							- GPP
65	3.66	0.310	0.29	0.96	16	921	10	5 020	610.8	1973	83 12
32	2.42	0.300	0.28	0.96	18	932	15	4 700	616.8	1977	83 04
80	2.65	0.280	0.40	0.96	24	918	16	4 890	643.5	1978	81 12
48	1.00	0.260	0.45	0.97	12	945	29	4 672	650.8	1979	81 12 - GPP
16	0.90	0.190	0.50	0.96	11	969	28	4 922	666.9	1980	81 09
16	3.00	0.300	0.16	0.96	14	934	30	4 529	622.5	1981	82 05
32	6.28	0.240	0.50	0.97	12	925	25	3 200	658.0	1982	83 05 - SUSP 86 07
48	2.65	0.300	0.28	0.96	18	933	20	4 635	623.8	1978	84 09
16	2.50	0.280	0.35	0.97	10	946	33	4 702	610.4	1983	84 04
32	1.00	0.280	0.30	0.96	20	898	28	4 690	652.5	1981	84 07
16	2.70	0.290	0.50	0.96	15	930	23	4 500	636.9	1985	86 11
1 254					16	910	31	4 620	653.2	1952	84 12
400	4.62	0.290	0.30	0.96							
854	4.72	0.290	0.30	0.96							- GPP
656	1.70	0.270	0.38	0.96	18	921	24	4 522	624.1	1969	83 12
16	3.00	0.210	0.30	0.96	15	970	25	4 495	662.5	1981	85 12 - GPP
16	0.40	0.270	0.42	0.93	28	934	30	5 700	640.4	1985	86 03
16	4.50	0.230	0.40	0.91	14	985	28	6 710	627.8	1983	84 02 - GPP
32	6.53	0.300	0.35	0.96	14	952	18	5 100	659.7	1963	79 08 - GPP
699	1.94	0.300	0.27	0.96	14	940	25	4 520	665.1	1953	82 12 - GPP
422					14	940	24	4 730	696.6	1968	82 05
32	1.42	0.280	0.36	0.97							
390	1.71	0.300	0.15	0.97							- GPP
64	3.70	0.270	0.24	0.96	14	940	24	4 960	699.8	1969	85 12
96	1.90	0.300	0.29	0.96	14	904	27	4 670	650.9	1974	80 12
369					15	970	25	3 640	648.9	1978	85 11 - GPP
193	4.39	0.290	0.30	0.96							
176	5.16	0.290	0.30	0.96							
16	4.50	0.330	0.35	0.96	18	931	22	4 630	644.8	1982	82 07
16	6.00	0.270	0.35	0.96	18	954	18	4 685	691.7	1983	84 07
16	6.00	0.260	0.35	0.97	20	955	27	4 917	650.5	1984	85 05
16	3.05	0.300	0.24	0.97	13	947	27	5 070	672.1	1978	79 01 - SUSP 78 09
16	4.44	0.260	0.28	0.99	15	960	25	4 800	657.4	1985	86 06
249	5.40	0.140	0.40	0.89	51	915	43	10 890	1 393.2	1969	82 10
112	9.30	0.180	0.32	0.86	48	911	64	10 920	1 394.0	1977	83 10
1 064	14.38	0.170	0.39	0.87	46	910	40	9 500	1 465.3	1981	86 06
32	3.78	0.196	0.45	0.87	50	904	45	9 084	1 286.6	1984	85 12 - ABAND 86 01
32	11.54	0.110	0.40	0.89	44	935	50	11 210	1 376.6	1981	86 12
65	4.88	0.170	0.25	0.85	69	887	50	11 310	1 485.6	1969	74 12 - ABAND 73 08
16	12.60	0.130	0.19	0.97	10	926	33	2 300	877.0	1985	85 08
1 414					5	915	32	9 791	917.8	1960	83 03 - GPP
190	2.56	0.194	0.40	0.97							
1 224	2.42	0.194	0.40	0.97							

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
COMPEER 033-02W4								
LOWER MANNVILLE A	118.0	0.10		11.8		11.8	7.8	4.0
LOWER MANNVILLE B	158.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	156.0	0.05		7.8		7.8	4.2	3.6
BANFF A	130.0	<0.02		2.1		2.1	2.1	
BANFF B	255.0	0.05		12.8		12.8	5.7	7.1
CONNORSVILLE 025-15W4								
LOWER MANNVILLE C	27.0	0.10		2.7		2.7		2.7
CONRAD 006-15W4								
ELLIS	2 540.0	0.21		533.0		533.0	505.4	27.6
COUNTESS 021-16W4								
UPPER MANNVILLE B TOTAL	3 810.0			370.0	900.0	1 270.0	1 147.9	122.1
PRIMARY AREA	208.0	0.05		10.4		10.4		
WATER FLOOD AREA	3 600.0	0.10	0.25	360.0	900.0	1 260.0		
UPPER MANNVILLE D TOTAL	12 900.0			1 290.0	4 120.0	5 410.0	4 899.8	510.2
PRIMARY AREA	473.0	0.10		47.3		47.3		
WATER FLOOD AREA	12 400.0	0.10	0.33	1 240.0	4 120.0	5 360.0		
UPPER MANNVILLE F TOTAL	1 750.0			164.0	445.0	609.0	508.6	100.4
PRIMARY AREA	157.0	0.03		4.7		4.7		
WATER FLOOD AREA	1 590.0	0.10	0.28	159.0	445.0	604.0		
UPPER MANNVILLE H WATER FLOOD	5 545.0	0.10	0.30	554.5	1 663.5	2 218.0	1 928.5	289.5
UPPER MANNVILLE J	687.0	0.10		68.7		68.7	39.0	29.7
UPPER MANNVILLE L	208.0	0.10		20.8		20.8	17.8	3.0
UPPER MANNVILLE M WATER FLOOD	556.0	0.15	0.15	83.4	83.4	167.0	124.2	42.8
UPPER MANNVILLE O WATER FLOOD	2 540.0	0.15	0.32	381.0	814.0	1 200.0	675.9	524.1
UPPER MANNVILLE T	51.0	0.10		5.1		5.1	1.2	3.9
UPPER MANNVILLE U	170.0	0.10		17.0		17.0	5.1	11.9
UPPER MANNVILLE Y	144.0	0.10		14.4		14.4		14.4
UPPER MANNVILLE HH	68.8	0.10		6.9		6.9	3.9	3.0
UPPER MANNVILLE II	191.0	0.10		19.1		19.1	3.6	15.5
UPPER MANNVILLE JJ	17.7	0.10		1.8		1.8	0.6	1.2
UPPER MANNVILLE KK	267.0	0.10		26.7		26.7	1.7	25.0
LOWER MANNVILLE A	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	319.0	0.01		0.6		0.6	0.6	
LOWER MANNVILLE F	134.0	0.08		10.7		10.7	6.0	4.7
LOWER MANNVILLE G	251.0	0.05		12.6		12.6	3.9	8.7
LOWER MANNVILLE H	196.0	0.02		3.9		3.9	0.8	3.1
LOWER MANNVILLE I	61.7	0.05		3.1		3.1		3.1
LOWER MANNVILLE J	105.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE K	87.0	0.03		2.6		2.6	0.2	2.4
LOWER MANNVILLE L	257.0	0.02		5.1		5.1	0.7	4.4
LOWER MANNVILLE N	124.0	0.05		6.2		6.2	0.1	6.1
LOWER MANNVILLE O	65.6	0.05		3.3		3.3	0.6	2.7
LOWER MANNVILLE P	117.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Q	218.0	0.05		10.9		10.9	0.1	10.8
OSTRACOD D	98.0	0.05		4.9		4.9	0.8	4.1
BASAL QUARTZ B	126.0	<0.03		3.3		3.3	3.3	
BASAL QUARTZ F	21.0	<0.01		0.1		0.1		0.1
PEKISKO B	66.6	<0.01		0.1		0.1	0.1	
PEKISKO C	88.1	0.05		4.4		4.4	0.1	4.3
DAVID 041-03W4								
LLOYDMINSTER A TOTAL	2 380.0			309.0	268.0	577.0	454.0	123.0
PRIMARY AREA	149.0	0.13		19.4		19.4		
WATER FLOOD AREA	2 230.0	0.13	0.12	290.0	268.0	558.0		
LLOYDMINSTER B	461.0	0.06		27.7		27.7	22.1	5.6
LLOYDMINSTER C	3 030.0	0.13		390.0	ERSD	390.0	222.7	167.3
LLOYDMINSTER D	14.7	0.10		1.4		1.4	0.8	0.6
LLOYDMINSTER E	129.0	0.05		6.5		6.5	1.5	5.0
LLOYDMINSTER F	28.2	0.05		1.4		1.4	0.3	1.1
CUMMINGS A	112.0	0.05		5.6		5.6	2.5	3.1
CUMMINGS B	131.0	0.05		6.6		6.6	2.1	4.5
DINA A	345.0	0.05		17.3		17.3	9.2	8.1
DINA C	114.0	0.03		3.4		3.4	0.1	3.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	2.80	0.230	0.37	0.92	35	934	32	6 158	898.2	1978	79 10
16	5.00	0.280	0.25	0.94	27	959	28	8 150	885.3	1980	83 12 - SUSP 80 12
32	2.40	0.330	0.35	0.94	25	960	28	6 324	842.8	1984	84 09
16	6.10	0.200	0.30	0.95	18	959	36	6 856	850.0	1955	85 10 - SUSP 85 08
32	4.13	0.290	0.30	0.95	21	937	28	7 680	824.8	1984	85 10
64	1.50	0.080	0.60	0.89	52	893	32	8 890	990.9	1978	79 02 - SUSP 78 12
1 475	1.52	0.198	0.35	0.88	53	904	30	10 340	926.6	1944	85 12 - GPP
576					45	887	37	10 780	1 083.8	1965	85 08
48	3.80	0.220	0.24	0.89							
528	4.09	0.240	0.22	0.89							- GPP
1 538					45	904	36	10 840	1 122.2	1967	85 03
124	2.48	0.234	0.26	0.89							
1 414	4.93	0.250	0.20	0.89							- GPP
194					45	887	34	10 850	1 075.3	1967	82 12 - GPP
32	3.20	0.230	0.25	0.89							
162	6.40	0.230	0.25	0.89							
679	5.35	0.220	0.22	0.89	50	898	32	11 090	1 072.0	1968	86 12 - GPP
208	2.41	0.220	0.30	0.89	44	887	33	10 950	1 075.8	1970	86 12 - GPP
65	2.29	0.207	0.24	0.89	45	881	39	10 690	1 082.3	1971	72 08
32	14.02	0.230	0.38	0.86	59	892	38	11 130	1 079.9	1972	78 06 - GPP
170	8.14	0.260	0.17	0.85	51	915	36	10 670	1 067.7	1973	77 12 - GPP
65	0.91	0.150	0.34	0.86	60	892	32	10 230	1 049.0	1977	78 12 - SUSP 83 10
32	4.00	0.230	0.35	0.89	41	890	33	9 720	1 079.5	1978	79 02 - GPP
64	3.50	0.120	0.40	0.89	40	861	36	9 760	1 056.0	1980	81 09 - GPP
32	1.50	0.230	0.30	0.89	43	887	37	11 056	1 108.3	1983	84 05
32	3.40	0.240	0.18	0.89	45	887	38	9 134	1 134.0	1984	85 03
16	1.50	0.160	0.48	0.89	47	900	35	9 392	1 077.3	1984	85 03
64	5.00	0.170	0.43	0.86	55	855	38	7 200	1 216.3	1985	85 11
32	5.79	0.250	0.50	0.90	41	898	34	11 480	1 105.8	1968	73 12 - ABAND 72 11
65	2.74	0.270	0.25	0.89	42	915	38	10 800	1 139.0	1974	83 12 - ABAND 77 01
32	4.30	0.190	0.42	0.89	48	892	34	11 066	1 131.1	1975	85 12
64	4.00	0.160	0.28	0.85	66	864	34	10 800	1 113.9	1979	80 01
64	5.00	0.160	0.55	0.85	75	869	36	10 635	1 347.5	1980	84 05 - GPP
64	1.80	0.140	0.55	0.85	53	855	41	10 252	1 334.9	1980	81 08 - SUSP 81 05
32	3.60	0.170	0.40	0.89	38	910	37	11 214	1 098.6	1981	82 09 - ABAND 83 03
64	2.00	0.160	0.50	0.85	58	865	40	10 797	1 362.2	1981	83 10 - SUSP 84 05
64	7.50	0.140	0.55	0.85	76	869	36	10 272	1 357.5	1981	84 05 - GPP
32	3.30	0.220	0.40	0.89	46	910	36	10 794	1 109.0	1983	84 06
32	2.56	0.150	0.40	0.89	37	862	35	10 685	1 085.3	1984	84 11
32	3.80	0.180	0.40	0.89	44	900	34	10 385	1 102.6	1979	85 03 - SUSP 85 01
64	4.70	0.165	0.50	0.88	47	898	38	10 178	1 286.5	1984	85 06
64	1.50	0.200	0.42	0.88	48	887	38	7 500	1 249.2	1985	86 05 - GPP
32	2.96	0.239	0.35	0.85	47	915	38	10 186	1 310.6	1964	70 05 - SUSP 70 10
32	1.30	0.175	0.68	0.90	40	905	35	11 010	1 047.8	1984	84 12 - SUSP 84 10
64	4.50	0.040	0.35	0.89	43	864	38	10 300	1 174.3	1980	85 12 - SUSP 83 09
64	3.60	0.060	0.25	0.85	64	875	39	10 472	1 363.7	1981	84 12 - SUSP 85 08
275					44	931	28	5 480	751.6	1969	85 11 - GPP
32	2.07	0.290	0.20	0.97							
243	4.35	0.290	0.25	0.97							
65	3.66	0.270	0.25	0.96	23	910	24	5 480	741.9	1969	85 12
464	3.14	0.270	0.18	0.94	18	911	28	5 380	766.3	1975	85 10
16	1.50	0.160	0.60	0.96	15	925	32	4 555	776.3	1982	82 12
32	2.00	0.300	0.30	0.96	14	908	30	5 251	755.6	1983	85 10
16	1.10	0.300	0.45	0.97	10	908	31	2 501	775.6	1985	86 07
64	1.00	0.270	0.33	0.97	7	956	29	5 575	792.0	1981	85 08
32	1.80	0.300	0.22	0.97	10	910	32	2 200	778.6	1985	85 09
32	5.41	0.270	0.24	0.97	11	917	31	5 307	788.5	1981	84 10 - GPP
16	3.50	0.300	0.30	0.97	7	910	27	4 992	779.0	1984	85 10 - SUSP 86 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
DINA 045-01W4								
SPARKY	863.0	0.10		86.3		86.3	68.4	17.9
SPARKY B	134.0	0.05		6.7		6.7	0.6	6.1
EDGERTON 045-04W4								
COLONY G	73.1	0.05		3.7		3.7	1.3	2.4
SPARKY A	95.2	0.05		4.8		4.8	1.0	3.8
SPARKY B	15.1	0.70		1.1		1.1	0.4	0.7
GENERAL PETROLEUM A	325.0	0.05		16.3		16.3	0.1	16.2
LLOYDMINSTER A	151.0	0.05		7.6		7.6	6.0	1.6
LLOYDMINSTER B	200.0	0.05		10.0		10.0	0.5	9.5
LLOYDMINSTER C	53.1	0.05		2.7		2.7	0.6	2.1
LLOYDMINSTER D	55.6	<0.01		0.1		0.1	0.1	
LLOYDMINSTER E	131.0	0.08		10.5		10.5	6.1	4.4
DETRITAL B	9.8	0.05		0.5		0.5		0.5
D-2 A	3 250.0	0.10		325.0		325.0	45.7	279.3
CAMROSE A	360.0	0.10		36.0		36.0	2.8	33.2
ENCHANT 014-16W4								
UPPER MANNVILLE B	219.0	0.06		13.1		13.1	11.0	2.1
UPPER MANNVILLE D	605.0	<0.01		2.6		2.6	2.6	
UPPER MANNVILLE H	40.4	0.10		4.0		4.0	3.5	0.5
UPPER MANNVILLE I	112.0	0.06		6.7		6.7	3.3	3.4
UPPER MANNVILLE M	50.7	0.05		2.5		2.5	0.2	2.3
LOWER MANNVILLE B	332.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	178.0	0.05		8.9		8.9	1.5	7.4
LOWER MANNVILLE G	1 000.0	0.25		250.0		250.0	113.6	136.4
SUNBURST A	189.0	0.01		1.9		1.9	1.8	0.1
ELLIS A	243.0	0.05		12.2		12.2	5.4	6.8
ELLIS B	50.1	0.15		7.5		7.5	5.3	2.2
ESTHER 032-02W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	72.6	27.4
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.9	4.9
UPPER MANNVILLE I	85.5	0.10		8.6		8.6	4.6	4.0
UPPER MANNVILLE J	68.4	0.05		3.4		3.4	0.1	3.3
UPPER MANNVILLE K	71.9	0.05		3.6		3.6	1.0	2.6
BANFF F	87.6	0.15		13.1		13.1	9.9	3.2
BANFF G	36.5	0.10		3.7		3.7	2.5	1.2
BANFF H	30.8	0.05		1.5		1.5	0.5	1.0
BAKKEN A	80.0	0.03		2.4		2.4	0.2	2.2
EYREMORE 018-18W4								
LOWER MANNVILLE A	331.0	<0.01		0.1		0.1	0.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373.0	0.05		18.7		18.7	6.0	12.7
GILBY 041-03W5								
RUNDLE K	625.0	0.02		12.6		12.6	9.1	3.5
GLADYS 020-27W4								
RUNDLE D	366.0	<0.01		0.1		0.1	0.1	
GLENEVIS 055-04W5								
BANFF	3 620.0	0.45		1 630.0		1 630.0	1 266.0	364.0
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	0.05		4.2		4.2	0.8	3.4
LOWER MANNVILLE D	83.0	<0.01		0.1		0.1	0.1	
GRAND FORKS 011-13W4								
UPPER MANNVILLE A	170.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE B WATER FLOOD	2 950.0	0.15	0.27	443.0	797.0	1 240.0	922.3	317.7
UPPER MANNVILLE E	48.5	0.05		2.4		2.4	1.4	1.0
UPPER MANNVILLE F	198.0	0.10		19.8		19.8	3.8	16.0
LOWER MANNVILLE B	676.0	0.15		101.0		101.0	94.2	6.8
LOWER MANNVILLE D WATER FLOOD	15 600.0	0.12	0.28	1 870.0	4 360.0	6 230.0	4 595.2	1 634.8
LOWER MANNVILLE E WATER FLOOD	4 240.0	<0.30	0.15	1 270.0	610.0	1 880.0	1 159.0	721.0

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
226	2.06	0.290	0.32	0.94	13	972	25	4 340	554.7	1948	85 12 - GPP
32	2.79	0.290	0.46	0.96	10	961	28	3 500	545.2	1985	86 09
16	2.90	0.250	0.35	0.97	13	938	25	4 052	644.0	1979	82 06
16	8.00	0.200	0.60	0.93	27	855	29	3 445	648.0	1984	85 03
16	1.00	0.280	0.65	0.96	12	955	25	4 217	637.5	1980	86 01
64	4.20	0.260	0.50	0.93	27	855	29	4 773	640.2	1984	85 05
16	5.18	0.240	0.21	0.96	12	940	25	4 275	685.5	1975	78 12 - SUSP 83 05
16	4.90	0.330	0.20	0.96	12	934	25	4 260	674.5	1977	78 05 - SUSP 85 01
16	2.00	0.270	0.36	0.96	14	959	33	4 700	655.2	1980	80 07 - SUSP 84 08
16	2.00	0.270	0.33	0.96	12	951	25	3 800	686.5	1980	84 12 - SUSP 83 05
32	1.80	0.300	0.21	0.96	12	946	25	4 311	703.9	1979	85 12 - GPP
16	0.60	0.190	0.44	0.96	14	959	28	4 264	633.5	1984	84 11
352	8.84	0.170	0.36	0.96	17	959	25	4 155	646.6	1983	85 12
48	6.58	0.180	0.34	0.96	17	855	25	4 589	659.6	1984	85 12
64	2.65	0.240	0.40	0.89	48	915	30	11 310	978.7	1966	82 12 - GPP
361	1.52	0.200	0.38	0.89	56	915	27	10 650	983.9	1968	70 02 - SUSP 70 12
16	3.10	0.140	0.35	0.90	46	919	23	11 470	1 014.1	1977	79 12
65	1.83	0.180	0.38	0.85	62	855	24	10 870	1 015.3	1977	86 12
16	2.50	0.210	0.33	0.90	35	931	60	9 850	1 041.5	1981	83 02 - SUSP 84 12
65	4.57	0.220	0.40	0.85	53	855	38	11 510	1 040.9	1968	69 06 - ABAND 69 09
32	3.00	0.220	0.35	0.89	15	922	24	12 130	1 093.9	1978	85 12
64	3.00	0.160	0.35	0.89	53	855	34	11 180	999.8	1978	79 12
322	2.44	0.220	0.32	0.85	67	875	32	11 135	990.1	1981	85 12
65	3.96	0.150	0.40	0.82	82	855	38	11 190	1 032.7	1976	84 12 - SUSP 82 12
64	3.00	0.240	0.40	0.88	15	880	30	5 000	1 028.1	1953	86 05 - GPP
32	2.00	0.200	0.60	0.98	20	934	34	4 100	990.2	1983	86 08
384	1.46	0.250	0.25	0.95	24	959	29	7 330	720.5	1977	83 12
32	2.70	0.170	0.47	0.95	22	950	25	7 081	759.0	1979	83 12 - GPP
48	1.11	0.260	0.35	0.95	20	955	29	7 105	731.8	1984	86 03
16	3.00	0.300	0.50	0.95	21	929	27	7 970	812.0	1984	85 08 - SUSP 85 06
32	1.20	0.270	0.27	0.95	40	957	27	6 400	735.6	1985	86 03
16	3.00	0.320	0.40	0.95	20	948	30	7 416	793.9	1969	86 12 - GPP
16	2.00	0.200	0.40	0.95	21	946	29	7 413	826.9	1984	86 12
16	2.30	0.160	0.45	0.95	21	959	26	7 541	812.1	1982	85 04 - GPP
32	2.70	0.160	0.40	0.95	30	973	29	7 120	790.0	1984	86 06 - SUSP 86 04
64	5.20	0.180	0.35	0.85	67	881	33	9 880	1 152.9	1978	82 12 - SUSP 78 12
64	7.15	0.150	0.44	0.97	10	935	30	9 038	908.7	1969	83 05
65	19.14	0.075	0.17	0.81	66	915	69	15 400	2 056.8	1971	75 12
32	25.50	0.120	0.55	0.83	74	948	54	18 530	2 032.5	1979	82 12 - ABAND 82 02
537	10.49	0.113	0.36	0.89	43	934	43	10 694	1 325.9	1954	79 12 - GPP
16	4.00	0.210	0.35	0.95	21	975	30	8 887	936.6	1980	81 01 - SUSP 83 12
16	4.20	0.200	0.35	0.95	25	993	33	8 334	967.7	1980	81 04 - SUSP 83 02
65	2.13	0.200	0.35	0.95	18	921	36	10 590	912.6	1972	73 03 - ABAND 73 04
239	5.83	0.270	0.27	0.96	17	887	34	10 750	921.7	1971	83 12 - GPP
32	2.20	0.150	0.52	0.96	18	886	34	10 328	912.1	1983	83 12 - SUSP 86 04
32	5.00	0.230	0.44	0.96	14	905	32	2 900	907.5	1984	85 05
57	7.47	0.260	0.35	0.94	20	904	33	10 790	902.8	1965	80 12 - GPP
865	9.92	0.250	0.25	0.97	30	881	31	10 620	907.7	1968	85 09 - GPP
1 082	2.30	0.250	0.29	0.96	18	887	31	10 780	917.7	1957	86 06 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10³m³	frac	frac	10³m³	10³m³	10³m³	10³m³	10³m³
GRAND FORKS 011-13W4 (CONTINUED)								
LOWER MANNVILLE F TOTAL	900.0			90.0	120.0	210.0	189.7	20.3
PRIMARY AREA	100.0	0.10		10.0		10.0		
WATER FLOOD AREA	800.0	0.10	0.15	80.0	120.0	200.0		
LOWER MANNVILLE G TOTAL	2 060.0			300.0	700.0	1 000.0	627.1	372.9
PRIMARY AREA	64.8	<0.01		0.1		0.1		
WATER FLOOD AREA	2 000.0	0.15	0.35	300.0	700.0	1 000.0		
LOWER MANNVILLE H WATER FLOOD	524.0	0.30	0.05	157.0	26.2	183.0	101.7	81.3
LOWER MANNVILLE J	300.0	<0.02		3.2		3.2	3.2	
LOWER MANNVILLE M	362.0	0.10		36.2		36.2	13.2	23.0
LOWER MANNVILLE N	415.0	0.10		41.5		41.5	13.8	27.7
LOWER MANNVILLE X	148.0	0.05		7.4		7.4	1.5	5.9
LOWER MANNVILLE Y	80.2	0.10		8.0		8.0	3.3	4.7
LOWER MANNVILLE Z	32.0	0.10		3.2		3.2	1.5	1.7
LOWER MANNVILLE AA	196.0	0.03		5.9		5.9	1.6	4.3
LOWER MANNVILLE BB	1 750.0	0.15		263.0		263.0	176.1	86.9
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	0.6	1.9
LOWER MANNVILLE EE	35.6	0.10		3.6		3.6	1.0	2.6
LOWER MANNVILLE FF	400.0	0.10		40.0		40.0	11.6	28.4
LOWER MANNVILLE GG	239.0	0.15		35.9		35.9	22.3	13.6
LOWER MANNVILLE HH	377.0	0.15		56.6		56.6	26.7	29.9
LOWER MANNVILLE II TOTAL	3 030.0			606.0	634.0	1 240.0	535.4	704.6
PRIMARY AREA	348.0	0.20		69.6		69.6		
WATER FLOOD AREA	2 680.0	0.20	0.25	536.0	634.0	1 170.0		
LOWER MANNVILLE JJ	54.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE KK	29.9	0.05		1.5		1.5	0.1	1.4
LOWER MANNVILLE LL	222.0	0.15		33.3		33.3	8.9	24.4
LOWER MANNVILLE NN	45.1	0.15		6.8		6.8	0.7	6.1
LOWER MANNVILLE PP	237.0	0.10		23.7		23.7	13.3	10.4
LOWER MANNVILLE K&V WATER FLOOD	450.0	0.15	0.35	675.0	1 570.0	2 250.0	1 550.0	700.0
SAWTOOTH A	254.0	0.18		45.7		45.7	37.0	8.7
SAWTOOTH B	580.0	0.10		58.0		58.0	19.4	38.6
SAWTOOTH C	138.0	0.15		20.7		20.7	9.0	11.7
SAWTOOTH D	1 110.0	0.15		167.0		167.0	71.2	95.8
SAWTOOTH E	21.9	<0.08		1.7		1.7	1.7	
SAWTOOTH F	163.0	0.10		16.3		16.3	10.6	5.7
SAWTOOTH G	33.6	0.10		3.4		3.4	1.8	1.6
SAWTOOTH H	71.3	0.10		7.1		7.1	5.8	1.3
SAWTOOTH I	691.0	0.10		69.1		69.1	38.2	30.9
SAWTOOTH J	242.0	0.25		60.5		60.5	23.6	36.9
SAWTOOTH K	32.4	0.10		3.2		3.2	0.3	2.9
SAWTOOTH L	1 120.0	0.20		224.0		224.0	152.0	72.0
SAWTOOTH N	1 080.0	0.25		270.0		270.0	77.4	192.6
SAWTOOTH O	3 310.0	0.15		497.0		497.0	370.3	126.7
SAWTOOTH Q	841.0	0.13		109.0		109.0	69.1	39.9
SAWTOOTH S	1 400.0	0.30		420.0		420.0	271.7	148.3
SAWTOOTH T	2 150.0	0.30		645.0		645.0	331.1	313.9
SAWTOOTH U	526.0	0.05		26.3		26.3	15.6	10.7
SAWTOOTH V	561.0	0.05		28.1		28.1	22.7	5.4
SAWTOOTH W	310.0	0.20		62.0		62.0	34.4	27.6
SAWTOOTH Y	211.0	0.10		21.1		21.1	3.6	17.5
SAWTOOTH Z	61.3	0.15		9.2		9.2	1.5	7.7
SAWTOOTH AA	22.1	<0.01		0.1		0.1		0.1
SAWTOOTH FF	31.8	<0.01		0.1		0.1		0.1
SAWTOOTH GG TOTAL	404.0			60.6	9.6	70.2	58.3	11.9
PRIMARY AREA	212.0	0.15		31.8		31.8		
WATER FLOOD AREA	192.0	0.15	0.05	28.8	9.6	38.4		
GREENCOURT 059-09W5								
PEKISKO A & JURASSIC A	2 510.0	0.04		100.0		100.0	78.0	22.0
PEKISKO C	136.0	<0.01		0.5		0.5	0.5	
GREENCOURT EAST 059-06W5								
JURASSIC A	88.0	<0.01		0.6		0.6	0.6	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
153					40	946	32	10 650	908.9	1971	83 12 - GPP
25	2.50	0.230	0.30	0.96							
128	4.45	0.240	0.39	0.96							
461					21	887	33	10 760	933.6	1971	85 12
16	2.25	0.250	0.25	0.96							
445	2.40	0.260	0.25	0.96							- GPP
86	3.17	0.260	0.23	0.96	21	934	32	10 620	952.2	1971	84 09 - GPP
32	6.10	0.270	0.40	0.95	19	887	83	10 310	897.3	1973	85 12
134	2.06	0.200	0.31	0.95	21	921	33	10 766	902.5	1974	85 09
64	3.81	0.230	0.22	0.95	23	899	34	10 780	902.8	1971	85 09
16	5.20	0.240	0.23	0.96	16	933	33	10 284	901.0	1981	82 12
32	1.23	0.300	0.30	0.97	9	952	34	10 518	929.7	1972	77 12 - GPP
16	1.29	0.180	0.12	0.98	10	946	21	10 449	948.7	1978	80 07 - GPP
64	2.08	0.250	0.33	0.88	50	921	34	10 834	963.3	1979	82 09
219	4.90	0.250	0.29	0.92	64	941	21	10 515	955.3	1954	86 12 - GPP
32	1.50	0.120	0.55	0.95	18	888	34	8 518	912.4	1981	82 12
32	1.20	0.150	0.35	0.95	16	886	31	10 507	867.8	1982	83 02
64	3.92	0.230	0.27	0.95	18	892	42	10 545	870.4	1965	86 06 - GPP
42	4.00	0.200	0.25	0.95	18	892	42	9 740	873.7	1975	85 12 - GPP
64	5.03	0.220	0.44	0.95	18	892	42	10 583	894.5	1979	86 06 - GPP
560					31	885	32	10 665	926.9	1983	86 05
64	3.41	0.256	0.33	0.93							
496	3.40	0.255	0.33	0.93							- GPP
32	3.00	0.200	0.70	0.95	16	886	31	10 257	858.0	1983	83 11 - SUSP 83 10
16	1.80	0.180	0.40	0.96	22	895	32	10 412	910.4	1984	84 10 - SUSP 86 01
16	7.70	0.250	0.25	0.96	22	895	32	10 424	911.9	1984	84 10 - GPP
32	1.70	0.150	0.43	0.97	11	904	28	2 400	869.4	1984	85 03
32	4.00	0.260	0.25	0.95	10	887	37	10 154	894.0	1975	85 09
384	5.88	0.250	0.16	0.95	18	892	32	11 301	908.9	1973	85 09 - GPP
64	3.80	0.180	0.39	0.95	18	892	42	10 720	884.2	1965	85 12 - GPP
220	2.53	0.180	0.39	0.95	18	909	42	10 760	934.7	1978	86 05 - GPP
32	3.50	0.200	0.35	0.95	20	922	30	10 370	897.5	1980	86 12 - GPP
160	6.20	0.230	0.49	0.95	20	912	31	10 531	938.3	1980	86 12
16	1.00	0.240	0.40	0.95	17	935	39	10 819	951.0	1981	86 12 - SUSP 86 01
64	2.80	0.120	0.20	0.95	18	903	42	10 846	898.9	1979	83 12
32	0.90	0.150	0.18	0.95	18	931	42	10 561	933.2	1980	83 12
64	1.00	0.170	0.31	0.95	20	4	37	10 563	953.5	1978	79 05
128	3.20	0.240	0.26	0.95	18	892	42	10 124	900.6	1958	85 12 - GPP
64	3.25	0.240	0.49	0.95	19	891	32	10 595	879.0	1983	86 10 - GPP
16	2.81	0.217	0.65	0.95	20	90	33	10 268	932.9	1983	84 10 - SUSP 86 10
160	5.49	0.230	0.41	0.94	22	910	32	5 200	864.8	1979	86 03 - GPP
63	10.20	0.260	0.32	0.95	18	907	34	10 460	913.6	1984	86 07 - GPP
439	5.75	0.230	0.40	0.95	21	887	33	10 860	906.0	1966	86 07 - GPP
200	2.93	0.260	0.42	0.95	16	921	31	10 472	936.3	1975	86 12 - GPP
222	4.29	0.230	0.32	0.94	21	886	33	10 600	813.8	1965	86 12 - GPP
219	5.99	0.240	0.28	0.95	21	886	33	10 300	880.5	1965	86 12 - GPP
96	5.02	0.230	0.50	0.95	15	905	34	10 172	898.5	1953	86 05 - GPP
80	5.09	0.250	0.42	0.95	15	905	34	2 979	923.2	1953	86 01 - GPP
63	3.61	0.230	0.37	0.94	25	910	32	10 515	868.9	1980	86 02 - GPP
32	4.20	0.220	0.25	0.95	14	900	34	2 979	907.0	1985	86 03
32	2.10	0.190	0.50	0.96	16	906	33	2 990	938.4	1985	86 03 - SUSP 86 07
32	1.10	0.165	0.60	0.95	20	911	30	4 100	941.3	1985	86 03 - SUSP 85 10
16	1.22	0.260	0.35	0.95	19	887	34	10 410	943.1	1974	83 12 - SUSP 76 05
100					21	892	33	10 580	940.9	1973	84 12
58	2.00	0.260	0.26	0.95							
42	2.50	0.260	0.26	0.95							- GPP
540	5.30	0.130	0.25	0.90	49	915	58	11 090	1 456.3	1961	82 12 - GPP
65	3.35	0.090	0.20	0.87	48	898	60	11 200	1 474.2	1968	69 01 - SUSP 70 05
32	3.00	0.180	0.40	0.85	46	915	70	10 799	1 247.8	1980	85 12 - SUSP 83 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
GREENCOURT EAST 059-06W5 (CONTINUED)								
BANFF A	180.0	<0.01		0.3		0.3	0.3	
BANFF B	135.0	<0.01		0.6		0.6	0.6	
GUNN 055-03W5								
BANFF A	150.0	0.10		15.0		15.0	1.3	13.7
HAIRY HILL 055-14W4								
VIKING K	36.9	<0.01		0.1		0.1		0.1
COLONY T	60.8	0.05		3.0		3.0	0.1	2.9
HARD 103-06W6								
PEKISKO B	981.0	0.05		49.1		49.1		49.1
HAYS 013-14W4								
UPPER MANNVILLE A	302.0	0.10		30.2		30.2	0.7	29.5
LOWER MANNVILLE A WATER FLOOD	3 600.0	0.16	0.29	576.0	1 040.0	1 620.0	1 425.2	194.8
LOWER MANNVILLE B	1 351.0	0.10		135.0		135.0	86.2	48.8
LOWER MANNVILLE C	736.0	0.40		294.0		294.0	196.3	97.7
LOWER MANNVILLE D	552.0	0.20		110.0		110.0	78.2	31.8
LOWER MANNVILLE G	108.0	0.12		13.0		13.0	10.8	2.2
LOWER MANNVILLE H	85.5	0.05		4.3		4.3		4.3
LOWER MANNVILLE I	49.6	0.10		5.0		5.0	2.5	2.5
LOWER MANNVILLE J	105.0	0.10		10.5		10.5	0.2	10.3
LOWER MANNVILLE K	194.0	0.10		19.4		19.4	6.5	12.9
LOWER MANNVILLE M	524.0	0.10		52.4		52.4	16.9	35.5
SAWTOOTH A	617.0	0.10		61.7		61.7	4.9	56.8
NISKU A	199.0	0.15		29.9		29.9	0.6	29.3
HAYTER 041-01W4								
UPPER MANNVILLE A	90.1	0.05		4.5		4.5	3.1	1.4
COLONY A	111.0	<0.01		0.1		0.1		0.1
COLONY B	282.0	0.05		14.1		14.1	6.4	7.7
SPARKY A TOTAL	3 560.0			250.0	92.5	343.0	253.7	89.3
PRIMARY AREA	484.0	0.07		34.0		34.0		
WATER FLOOD AREA	3 080.0	0.07	0.03	216.0	92.5	309.0		
SPARKY B	262.0	0.05		13.2		13.2	6.1	7.1
SPARKY C	162.0	0.05		8.1		8.1	1.1	7.0
SPARKY G	63.0	0.05		3.2		3.2	2.3	0.9
SPARKY H	36.2	<0.01		0.2		0.2	0.2	
SPARKY I	89.1	0.05		4.4		4.4	1.2	3.2
SPARKY J	51.4	0.10		5.1		5.1	1.7	3.4
SPARKY K	34.6	0.05		1.7		1.7	1.2	0.5
SPARKY L	378.0	0.05		18.9		18.9	5.1	13.8
SPARKY M	99.1	0.05		5.0		5.0	2.7	2.3
SPARKY N	115.0	0.05		5.7		5.7	0.2	5.5
SPARKY O	62.5	0.05		3.1		3.1	0.2	2.9
SPARKY P	38.4	0.05		1.9		1.9	0.5	1.4
SPARKY R	29.4	0.05		1.5		1.5	0.3	1.2
SPARKY S	74.6	0.10		7.5		7.5	0.9	6.6
SPARKY D & E	902.0	0.10		90.2		90.2	58.7	31.5
LLOYDMINSTER A	71.0	0.05		3.6		3.6		3.6
LLOYDMINSTER B	60.2	0.05		3.0		3.0	2.0	1.0
CUMMINGS A	57.0	0.05		2.9		2.9	1.1	1.8
DINA A TOTAL	9 400.0			376.0	420.0	796.0	526.0	270.0
PRIMARY AREA	2 400.0	0.04		96.0		96.0		
WATER FLOOD AREA	7 000.0	0.04	0.06	280.0	420.0	700.0		
DINA B	37 630.0	0.02		753.0		753.0	353.1	399.9
DINA C	945.0	0.02		18.9		18.9	8.9	10.0
DINA D	366.0	0.03		11.0		11.0	10.1	0.9
DINA F	456.0	0.03		13.7		13.7	4.7	9.0
DINA H	252.0	0.05		12.6		12.6	2.4	10.2
DINA I	4 300.0	0.05		215.0		215.0	19.8	195.2
DINA J	258.0	0.02		5.2		5.2	0.7	4.5
DINA L	158.0	0.02		3.2		3.2	0.2	3.0
HECTOR 016-17W4								
UPPER MANNVILLE B	158.0	0.02		3.2		3.2	1.9	1.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	9.30	0.100	0.32	0.89	40	922	50	10 171	1 255.7	1981	84 12 - SUSP 84 04
32	10.78	0.074	0.40	0.88	43	934	51	9 353	1 245.8	1980	84 12 - SUSP 84 04
64	3.50	0.100	0.25	0.89	46	933	43	10 240	1 350.0	1978	80 02 - GPP
32	1.60	0.160	0.50	0.90	41	904	22	4 429	486.0	1976	85 07 - SUSP 83 11
16	2.00	0.300	0.36	0.99	10	952	20	3 648	541.0	1982	83 02 - SUSP 82 12
64	13.10	0.160	0.23	0.95	50	915	27	2 946	630.7	1980	83 05 - SUSP 84 11
64	2.50	0.300	0.30	0.90	52	890	31	11 851	951.3	1983	84 01 - SUSP 85 11
386	4.94	0.280	0.25	0.90	38	865	31	10 363	950.4	1964	83 12
412	2.56	0.260	0.44	0.88	40	904	38	8 300	974.4	1967	86 10
187	2.74	0.280	0.43	0.90	21	898	38	10 940	961.0	1967	86 04 - GPP
96	4.02	0.250	0.35	0.88	60	887	32	10 920	952.0	1969	86 10
64	2.14	0.160	0.44	0.88	21	887	30	10 940	963.2	1978	80 12
16	3.50	0.240	0.33	0.95	21	959	32	11 140	997.5	1978	79 06
32	1.00	0.220	0.20	0.88	37	865	28	12 218	946.0	1980	83 12
32	2.50	0.240	0.38	0.88	50	883	32	10 573	977.3	1982	85 08
64	1.89	0.260	0.33	0.92	37	893	58	10 686	953.3	1983	84 09 - GPP
96	3.10	0.240	0.22	0.94	37	873	31	5 586	954.4	1984	86 10
128	4.16	0.230	0.47	0.95	20	876	30	3 250	974.5	1985	86 10
64	3.40	0.138	0.19	0.82	74	895	33	11 000	1 352.7	1985	86 05
32	2.20	0.220	0.40	0.97	12	930	27	5 191	809.3	1980	83 12
16	5.20	0.250	0.45	0.97	14	951	26	4 438	618.0	1980	80 10 - SUSP 80 11
64	2.81	0.260	0.38	0.97	11	972	28	4 832	682.8	1983	84 07
1 224					13	910	29	5 690	795.2	1968	84 10
144	2.13	0.280	0.42	0.97							
1 080	1.37	0.290	0.26	0.97							
65	2.13	0.280	0.30	0.97	15	915	27	5 790	739.4	1971	73 12
64	1.54	0.260	0.35	0.97	12	921	37	5 760	776.0	1972	73 01
16	2.50	0.280	0.42	0.97	12	919	32	5 162	687.5	1979	80 06
16	1.60	0.270	0.46	0.97	19	920	23	4 800	717.6	1979	83 12 - SUSP 83 12
32	2.14	0.240	0.44	0.97	12	925	32	5 375	711.7	1980	81 05 - SUSP 86 07
16	1.30	0.300	0.15	0.97	14	921	20	5 110	744.7	1981	82 03
16	2.00	0.250	0.55	0.96	18	934	26	5 023	672.3	1980	82 03
80	2.37	0.290	0.29	0.97	11	911	31	5 790	739.5	1981	82 04
16	3.50	0.240	0.24	0.97	11	939	28	5 058	734.3	1979	80 01
32	2.40	0.280	0.45	0.97	12	920	27	5 495	737.0	1972	83 09
16	2.30	0.250	0.30	0.97	12	920	26	5 570	736.7	1983	83 11 - SUSP 85 08
16	1.50	0.300	0.45	0.97	11	925	28	5 273	718.8	1983	84 05 - SUSP 86 08
16	0.15	0.230	0.45	0.97	11	920	26	5 876	771.1	1983	84 10 - SUSP 86 05
32	1.68	0.270	0.47	0.97	10	920	28	2 910	784.9	1986	86 11
224	2.58	0.260	0.38	0.97	16	930	25	4 000	741.9	1972	86 07
16	2.20	0.300	0.30	0.96	17	904	29	3 800	754.4	1981	82 04 - SUSP 83 04
16	2.00	0.280	0.30	0.96	15	940	34	5 080	781.5	1981	82 04
16	2.50	0.210	0.30	0.97	10	911	33	4 713	758.7	1981	82 04
642					13	921	24	5 190	788.6	1969	84 06
253	4.02	0.300	0.19	0.97							
389	7.83	0.300	0.21	0.97							- GPP
1 384	11.24	0.290	0.14	0.97	20	965	28	5 500	778.5	1969	86 10
64	8.17	0.270	0.21	0.97	13	958	26	5 070	780.3	1979	82 03 - GPP
32	5.24	0.300	0.25	0.97	9	938	34	5 140	700.5	1979	86 01
32	7.00	0.280	0.25	0.97	12	970	29	5 095	823.6	1980	81 12 - GPP
16	8.40	0.280	0.31	0.97	11	970	30	5 595	771.6	1979	80 07 - GPP
129	12.34	0.320	0.13	0.97	11	960	27	5 530	765.0	1984	86 02
16	6.50	0.320	0.20	0.97	11	970	31	5 118	777.6	1984	84 02
16	6.00	0.280	0.37	0.93	15	989	29	5 000	858.3	1985	86 03
32	8.00	0.140	0.50	0.88	52	913	33	12 108	1 082.2	1982	85 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HORSEFLY LAKE 008-16W4								
MANNVILLE TOTAL	6 380.0			516.0	680.0	1 200.0	981.3	218.7
PRIMARY AREA	721.0	0.05		36.1		36.1		
WATER FLOOD AREA	5 660.0	<0.08	0.13	480.0	680.0	1 160.0		
MANNVILLE B	154.0	0.10		15.4		15.4	8.7	6.7
ISLAY 050-04W4								
CUMMINGS A	113.0	<0.01		0.1		0.1		0.1
JENNER 020-09W4								
UPPER MANNVILLE A	260.0	0.13		33.8		33.8	26.1	7.7
UPPER MANNVILLE E WATER FLOOD	3 810.0	0.10	0.15	381.0	572.0	953.0	753.6	199.4
UPPER MANNVILLE F	4 260.0	0.04		170.0		170.0	148.2	21.8
UPPER MANNVILLE M	242.0	<0.01		0.2		0.2		0.2
UPPER MANNVILLE D	5 550.0	0.05		278.0		278.0	99.8	178.2
UPPER MANNVILLE V	267.0	0.05		13.4		13.4	1.6	11.8
UPPER MANNVILLE W	80.9	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	87.4	0.10		8.7		8.7	0.3	8.4
UPPER MANNVILLE Y	16.1	0.10		1.6		1.6	0.6	1.0
UPPER MANNVILLE Z	173.0	0.05		8.7		8.7	0.3	8.4
LOWER MANNVILLE A	259.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE C	60.3	0.05		3.0		3.0	1.2	1.8
PEKISKO A	95.3	<0.07		6.1		6.1	6.1	
PEKISKO B	466.0	<0.01		0.3		0.3	0.3	
PEKISKO C	106.0	<0.01		0.1		0.1	0.1	
PEKISKO D	501.0	<0.01		0.2		0.2	0.2	
PEKISKO E	50.7	<0.01		0.1		0.1		0.1
JOHNSON 016-14W4								
GLAUCONITIC A	488.0	0.10		48.8		48.8	17.1	31.7
GLAUCONITIC B	950.0	0.15		142.5		142.5	53.5	89.0
GLAUCONITIC C	639.0	0.10		63.9		63.9	23.2	40.7
GLAUCONITIC E	148.0	0.10		14.8		14.8	6.4	8.4
JUMPBUSH 020-19W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	50.5	49.5
UPPER MANNVILLE H	747.0	0.10		74.7		74.7	23.8	50.9
LOWER MANNVILLE A	66.0	0.03		2.0		2.0	0.9	1.1
KEHO 011-22W4								
BANFF A	46.8	<0.02		0.8		0.8	0.8	
KILLAM 043-10W4								
COLONY F	140.0	0.05		7.0		7.0	3.7	3.3
LOWER MANNVILLE A	58.1	<0.02		0.7		0.7	0.7	
ELLERSLIE CC	229.0	0.10		22.9		22.9	1.6	21.3
KIRKWALL 027-05W4								
COLONY A	110.0	0.05		5.5		5.5	0.1	5.4
LATHOM 020-17W4								
UPPER MANNVILLE A WATER FLOOD	4 200.0	0.15	0.35	630.0	1 470.0	2 100.0	1 748.1	351.9
UPPER MANNVILLE C WATER FLOOD	922.0	0.11	0.24	101.0	221.0	323.0	247.3	75.7
UPPER MANNVILLE D	262.0	0.15		39.3		39.3	28.7	10.6
UPPER MANNVILLE E	87.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE H	188.0	0.10		18.8		18.8		18.8
LOWER MANNVILLE A	266.0	0.10		26.6		26.6	15.2	11.4
LOWER MANNVILLE B	72.1	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE C	508.0	0.05		25.4		25.4	0.9	24.5
LEAMAN 057-09W5								
PEKISKO A	98.0	0.10		9.8		9.8	5.6	4.2
PEKISKO B	33.2	0.05		1.7		1.7	0.1	1.6
PEKISKO C	31.3	0.05		1.6		1.6	0.1	1.5
LECKIE 019-17W4								
UPPER MANNVILLE B	429.0	0.05		21.5		21.5	18.4	3.1
LOWER MANNVILLE A	195.0	<0.01		1.2		1.2	1.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 200					16	887	33	10 200	961.6	1963	84 04
176	4.31	0.175	0.44	0.97							
1 024	5.50	0.185	0.44	0.97							
64	2.85	0.160	0.45	0.96	23	900	40	5 250	958.1	1980	86 04
16	3.50	0.300	0.30	0.96	17	978	26	6 704	701.3	1980	82 03 - ABAND 83 05
186	1.22	0.220	0.42	0.90	37	927	32	10 140	967.7	1965	86 12 - GPP
918	2.07	0.297	0.25	0.90	37	927	33	10 690	989.1	1964	76 01 - GPP
377	6.83	0.260	0.30	0.91	29	952	33	10 410	935.1	1965	80 12 - GPP
32	5.49	0.230	0.35	0.91	35	946	31	10 270	941.2	1971	74 12 - SUSP 71 10
483	6.86	0.260	0.30	0.92	37	952	33	10 510	954.3	1972	86 12 - GPP
16	9.90	0.240	0.26	0.95	37	960	35	10 042	937.7	1973	85 01 - SUSP 85 11
16	3.35	0.224	0.26	0.91	38	948	30	4 900	948.1	1983	83 10 - ABAND 85 11
16	3.73	0.230	0.33	0.95	38	941	24	10 200	912.7	1984	84 11 - SUSP 85 10
16	0.77	0.208	0.34	0.95	20	954	28	5 000	915.2	1984	85 01 - SUSP 86 04
16	5.90	0.300	0.33	0.91	29	959	32	9 998	959.6	1954	86 04
32	4.57	0.240	0.20	0.91	29	940	32	10 790	979.0	1965	67 05 - SUSP 69 11
16	3.00	0.230	0.40	0.91	42	944	32	10 569	987.5	1981	82 05 - GPP
64	3.29	0.100	0.50	0.90	81	946	33	10 890	1 001.6	1964	73 02 - ABAND 72 02
28	23.77	0.112	0.30	0.90	81	946	41	10 620	1 036.6	1966	68 02 - ABAND 69 02
32	6.10	0.120	0.50	0.90	81	946	34	10 760	991.8	1966	68 10 - SUSP 69 01
65	4.27	0.300	0.35	0.93	29	972	32	10 780	991.2	1971	72 05 - ABAND 77 02
32	5.50	0.080	0.60	0.90	41	943	33	10 695	987.3	1980	82 12 - SUSP 82 08
80	3.88	0.240	0.20	0.82	70	888	31	10 744	1 024.2	1983	85 06
117	4.50	0.250	0.18	0.88	50	891	30	10 855	1 832.3	1982	86 09
64	5.67	0.250	0.20	0.88	50	888	31	8 600	1 021.4	1983	86 09
64	2.50	0.150	0.30	0.88	53	893	31	10 733	1 029.6	1983	85 12
256	3.03	0.210	0.26	0.83	73	845	40	11 360	1 329.2	1972	84 01
192	3.35	0.200	0.30	0.83	69	860	35	11 284	1 326.0	1972	85 09
16	3.08	0.210	0.25	0.85	56	887	41	11 430	1 405.8	1977	83 12
16	7.20	0.055	0.23	0.96	10	964	51	21 124	1 720.3	1980	81 06 - ABAND 84 10
16	4.20	0.330	0.24	0.83	209	908	26	5 237	702.1	1979	80 11
16	1.93	0.260	0.23	0.94	24	954	36	6 510	873.0	1978	85 12 - ABAND 83 12
32	3.70	0.260	0.20	0.93	21	908	34	6 584	962.2	1984	85 06
16	7.00	0.220	0.54	0.97	9	956	35	7 492	888.2	1980	83 05
426	6.31	0.230	0.20	0.85	66	876	35	10 480	1 171.0	1968	83 12 - GPP
233	3.21	0.210	0.30	0.84	62	887	45	10 640	1 141.5	1970	85 06
110	2.50	0.160	0.30	0.85	66	876	35	10 270	1 174.7	1968	85 12
65	1.22	0.210	0.38	0.85	51	849	40	10 260	1 183.5	1973	74 03 - SUSP 74 02
64	2.00	0.230	0.25	0.85	66	869	32	9 990	1 218.6	1980	80 12
128	1.64	0.200	0.28	0.88	41	876	31	10 980	1 185.1	1973	80 07 - GPP
32	3.05	0.160	0.48	0.88	41	876	35	11 000	1 209.4	1973	79 01 - SUSP 78 09
64	9.00	0.210	0.50	0.84	76	901	37	11 022	1 250.7	1983	84 06
64	3.10	0.100	0.42	0.85	50	916	71	12 460	1 688.5	1978	79 08 - SUSP 84 07
16	6.40	0.080	0.55	0.90	37	963	61	12 423	1 650.8	1981	83 10 - SUSP 83 08
16	6.60	0.070	0.53	0.90	37	963	61	12 134	1 615.2	1981	83 10 - SUSP 83 09
87	3.05	0.250	0.25	0.86	64	887	34	10 890	1 134.2	1967	73 12
32	5.18	0.190	0.32	0.90	33	887	44	11 620	1 174.7	1967	68 10 - ABAND 69 10

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
LITTLE BOW 015-19W4								
BI G,UPPER MANN BB & LOWER MANNVILLE T	494.0	0.10		49.4		49.4	29.9	19.5
UPPER MANNVILLE D TOTAL	2 383.0			95.3	165.0	260.0	96.6	163.4
PRIMARY AREA	883.0	0.04		35.3		35.3		
WATER FLOOD AREA	1 500.0	0.04	0.11	60.0	165.0	225.0		
UPPER MANNVILLE F	192.0	0.10		19.2		19.2	1.1	18.1
UPPER MANNVILLE G	1 800.0	0.10		180.0	ERSD	180.0	144.6	35.4
UPPER MANNVILLE H	74.2	0.10		7.4		7.4	0.4	7.0
UPPER MANNVILLE I WATER FLOOD	1 700.0	0.10	0.10	170.0	170.0	340.0	117.2	222.8
UPPER MANNVILLE J	210.0	0.05		10.5		10.5	5.6	4.9
UPPER MANNVILLE L TOTAL	1 125.0			56.3	100.0	156.3	62.8	93.5
PRIMARY AREA	125.0	0.05		6.3		6.3		
WATER FLOOD AREA	1 000.0	0.05	0.10	50.0	100.0	150.0		
UPPER MANNVILLE M	147.0	0.06		8.8		8.8	7.7	1.1
UPPER MANNVILLE N	21.2	<0.05		0.9		0.9	0.9	
UPPER MANNVILLE O	146.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE P	400.0	0.10		40.0		40.0	20.0	20.0
UPPER MANNVILLE Q	50.4	0.07		3.5		3.5	2.0	1.5
UPPER MANNVILLE R	45.3	0.05		2.3		2.3	1.7	0.6
UPPER MANNVILLE S	739.0	0.10		73.9		73.9	15.7	58.2
UPPER MANNVILLE T WATER FLOOD	1 200.0	0.10	0.10	120.0	120.0	240.0	88.1	151.9
UPPER MANNVILLE U WATER FLOOD	1 700.0	0.10	0.15	170.0	255.0	425.0	98.0	327.0
UPPER MANNVILLE V	50.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE W WATER FLOOD	1 800.0	0.10	0.15	180.0	270.0	450.0	96.9	353.1
UPPER MANNVILLE Y	69.1	0.10		6.9		6.9	0.7	6.2
UPPER MANNVILLE Z	51.1	0.10		5.1		5.1	2.1	3.0
UPPER MANNVILLE CC	44.9	0.05		2.2		2.2	0.3	1.9
UPPER MANNVILLE DD	50.5	0.10		5.1		5.1	0.5	4.6
LOWER MANNVILLE A	134.0	0.05		6.7		6.7	2.5	4.2
LOWER MANNVILLE E	234.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	86.0	0.03		2.6		2.6	0.4	2.2
LOWER MANNVILLE I	78.3	0.10		7.8		7.8	3.3	4.5
LOWER MANNVILLE J	278.0	0.04		11.1		11.1	7.8	3.3
LOWER MANNVILLE L	48.0	0.10		4.8		4.8	1.9	2.9
LOWER MANNVILLE M	40.3	0.10		4.0		4.0	1.8	2.2
LOWER MANNVILLE N	27.4	0.10		2.7		2.7	0.4	2.3
LOWER MANNVILLE P	23.5	0.10		2.4		2.4	0.9	1.5
LOWER MANNVILLE U	57.5	0.10		5.8		5.8	0.2	5.6
LOWER MANNVILLE V	28.4	0.10		2.8		2.8	0.2	2.6
LIVINGSTONE A	91.7	<0.01		0.1		0.1	0.1	
LLOYDMINSTER 050-01W5								
COLONY D	188.0	0.05		9.4		9.4	4.8	4.6
COLONY E	55.0	0.02		1.1		1.1	0.4	0.7
COLONY F	300.0	0.05		15.0		15.0	8.0	7.0
COLONY G	113.0	0.05		5.6		5.6	4.3	1.3
COLONY H	48.0	0.05		2.4		2.4	1.1	1.3
COLONY I	32.0	<0.01		0.1		0.1	0.1	
COLONY J	106.0	0.05		5.3		5.3	3.2	2.1
COLONY K	40.9	0.05		2.1		2.1	0.5	1.6
COLONY N	61.6	0.05		3.1		3.1	1.0	2.1
COLONY O	45.7	0.05		2.3		2.3	0.4	1.9
MCLAREN A	1 080.0	0.05		54.0		54.0	7.7	46.3
WASECA A	141.0	0.05		7.1		7.1	0.5	6.6
SPARKY B	12 400.0	<0.06		698.0		698.0	427.5	270.5
SPARKY F	8 040.0	0.04		321.0		321.0	282.4	38.6
SPARKY G	19 500.0	0.05		975.0		975.0	568.3	406.7
SPARKY H	1 800.0	0.05		90.0		90.0	47.6	42.4
SPARKY J	3 180.0	0.04		127.0		127.0	87.3	39.7
SPARKY K	21 200.0	0.04		848.0		848.0	592.5	255.5
SPARKY L	793.0	0.03		23.8		23.8	13.9	9.9
SPARKY M	267.0	0.05		13.4		13.4	1.3	12.1
SPARKY N	28.1	<0.03		0.8		0.8	0.8	
SPARKY O	337.0	<0.01		0.9		0.9	0.9	
SPARKY P	755.0	0.01		7.6		7.6	6.0	1.6
SPARKY Q	4 880.0	<0.02		64.7		64.7	64.7	

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
96	4.27	0.200	0.33	0.90	54	934	33	12 220	1 147.0	1975	84 09
592					66	904	56	12 270	1 184.5	1968	86 12
320	2.25	0.190	0.30	0.87							
272	4.76	0.190	0.30	0.87							
64	3.96	0.140	0.40	0.90	44	952	37	12 170	1 127.2	1969	69 03
240	4.31	0.230	0.16	0.90	44	946	38	12 130	1 132.3	1970	86 11
65	1.22	0.190	0.45	0.90	43	921	38	13 460	1 117.7	1970	74 12 - SUSP 84 05
115	10.66	0.230	0.33	0.90	44	927	33	12 250	1 094.3	1974	85 06 - GPP
130	1.68	0.160	0.33	0.90	44	927	34	11 220	1 106.7	1974	77 12 - SUSP 86 06
144					44	927	32	11 790	1 128.0	1976	86 07
32	2.60	0.220	0.24	0.90							
112	6.10	0.220	0.26	0.90							- GPP
64	2.10	0.180	0.30	0.87	57	887	36	12 180	1 221.0	1977	81 12
16	1.20	0.170	0.28	0.90	44	928	35	12 280	1 154.4	1978	79 04 - SUSP 84 06
32	3.00	0.220	0.23	0.90	55	915	32	11 200	1 095.5	1979	85 12 - SUSP 84 01
64	4.47	0.210	0.26	0.90	47	864	32	10 768	1 131.9	1979	85 12 - GPP
32	2.50	0.100	0.30	0.90	68	912	36	12 200	1 159.8	1979	85 10 - GPP
32	1.73	0.130	0.30	0.90	58	922	33	11 852	1 162.8	1979	80 07 - SUSP 86 05
64	7.57	0.220	0.23	0.90	47	937	33	11 889	1 075.4	1978	82 10
85	9.20	0.240	0.29	0.90	44	927	33	12 372	1 117.2	1975	85 06 - GPP
140	6.90	0.230	0.13	0.88	49	947	31	11 263	1 126.3	1982	86 05
16	3.60	0.190	0.48	0.88	56	928	34	12 183	1 074.5	1982	83 03 - ABAND 85 10
169	7.12	0.210	0.19	0.88	49	947	32	11 827	1 127.1	1983	86 01
16	3.00	0.200	0.20	0.90	47	946	32	11 638	1 134.8	1983	83 06 - SUSP 83 07
16	1.80	0.240	0.16	0.88	56	928	34	11 638	1 117.7	1972	83 09
16	2.00	0.240	0.35	0.90	47	946	32	11 915	1 169.3	1982	84 02 - SUSP 84 10
16	2.70	0.200	0.35	0.90	44	934	34	12 179	1 144.1	1983	84 09 - SUSP 86 04
32	7.38	0.160	0.48	0.93	37	951	30	12 240	1 140.6	1968	84 06
65	2.13	0.250	0.25	0.90	43	934	41	12 480	1 215.8	1973	77 03 - SUSP 77 09
32	2.70	0.170	0.35	0.90	44	940	38	12 410	1 193.9	1976	79 12 - SUSP 80 10
16	4.27	0.180	0.30	0.90	46	946	33	11 970	1 114.0	1977	77 12 - GPP
16	9.45	0.230	0.12	0.90	44	965	36	12 820	1 198.2	1977	85 12 - GPP
16	3.00	0.170	0.35	0.90	35	950	35	12 730	1 181.0	1979	79 10 - GPP
32	1.00	0.200	0.30	0.90	85	970	31	12 070	1 205.8	1979	85 12 - SUSP 86 05
32	0.80	0.170	0.30	0.90	46	952	33	12 470	1 165.4	1978	80 06
16	1.60	0.170	0.40	0.90	46	951	31	12 203	1 136.2	1979	80 05 - GPP
16	3.80	0.185	0.45	0.93	37	952	30	11 542	1 219.5	1981	83 08 - SUSP 83 11
16	2.30	0.140	0.40	0.92	37	951	30	12 346	1 175.8	1982	84 02 - SUSP 84 10
64	4.00	0.070	0.45	0.93	21	985	42	12 898	1 212.3	1982	83 01 - ABAND 85 05
32	3.26	0.280	0.35	0.99	8	983	25	2 880	547.1	1977	79 06 - GPP
16	1.86	0.300	0.37	0.98	10	961	28	2 970	539.2	1977	79 01
38	2.77	0.320	0.10	0.99	11	975	28	3 060	548.2	1977	80 12 - GPP
16	3.70	0.320	0.40	0.99	9	962	24	3 000	542.3	1978	79 10 - GPP
8	2.10	0.320	0.10	0.99	10	962	28	3 010	540.6	1975	79 12 - SUSP 81 01
8	2.10	0.320	0.40	0.99	10	980	28	3 020	541.9	1977	84 12 - SUSP 81 08
32	2.00	0.280	0.40	0.99	10	981	28	3 120	542.7	1982	85 12 - GPP
4	4.30	0.320	0.25	0.99	10	970	22	3 447	591.7	1979	84 04 - SUSP 86 03
8	4.90	0.270	0.60	0.97	12	988	25	3 050	545.8	1980	84 07
4	5.50	0.300	0.30	0.99	10	985	28	3 050	573.0	1983	84 08
112	4.28	0.330	0.31	0.99	12	965	24	3 953	556.7	1983	85 11
16	3.70	0.300	0.20	0.99	9	983	27	3 940	531.7	1982	82 08 - GPP
747	6.18	0.320	0.15	0.99	10	959	19	3 718	583.2	1966	86 11 - GPP
712	3.96	0.320	0.10	0.99	10	959	22	4 010	588.3	1947	77 12 - GPP
1 631	5.44	0.300	0.26	0.99	10	959	22	4 070	599.8	1963	85 12
232	2.72	0.320	0.10	0.99	10	959	22	3 830	544.7	1961	85 12 - GPP
339	3.29	0.320	0.10	0.99	10	959	22	3 990	576.7	1956	76 12
2 397	3.45	0.320	0.19	0.99	10	959	22	3 920	579.0	1947	84 12 - GPP
93	2.99	0.320	0.10	0.99	10	959	22	3 920	574.9	1951	86 07
32	2.90	0.320	0.10	0.99	10	959	22	4 030	595.0	1945	85 06
16	0.61	0.320	0.10	0.99	10	959	22	4 060	598.6	1944	71 06 - ABAND 54 10
32	3.66	0.320	0.10	0.99	10	959	22	4 010	582.8	1940	71 06 - ABAND 56 06
64	4.23	0.320	0.12	0.99	15	980	22	4 050	590.1	1964	84 02 - GPP
377	4.54	0.320	0.10	0.99	10	959	22	4 020	577.6	1944	82 12 - SUSP 77 09

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
LLOYDMINSTER 050-01W5 (CONTINUED)								
SPARKY R	3 050.0	0.04		122.0		122.0	73.0	49.0
SPARKY S	365.0	<0.02		6.0		6.0	4.5	1.5
SPARKY T	186.0	0.03		5.6		5.6	5.6	
SPARKY U	183.0	<0.02		3.0		3.0	3.0	
SPARKY X	2 860.0	0.01		28.6		28.6	16.7	11.9
SPARKY EE	549.0	0.03		16.5		16.5	9.9	6.6
SPARKY FF	408.0	<0.01		0.4		0.4	0.4	
SPARKY KK	1 610.0	0.05		80.5		80.5	40.4	40.1
SPARKY NN	143.0	<0.01		0.4		0.4	0.4	
SPARKY OO	355.0	0.02		7.1		7.1	0.2	6.9
SPARKY QQ	46.3	<0.02		0.5		0.5	0.5	
SPARKY RR	124.0	<0.02		1.3		1.3	1.3	
SPARKY SS	201.0	<0.01		0.1		0.1	0.1	
SPARKY TT	144.0	<0.01		0.8		0.8	0.8	
SPARKY UU	105.0	<0.01		0.1		0.1	0.1	
SPARKY VV	1 220.0	0.05		61.0		61.0	8.8	52.2
SPARKY WW	263.0	<0.01		0.1		0.1		0.1
SPARKY XX	760.0	0.05		38.0		38.0	24.2	13.8
SPARKY YY	89.1	<0.01		0.2		0.2	0.2	
SPARKY ZZ	122.0	<0.01		0.5		0.5	0.5	
SPARKY C & GENERAL PETROLEUM A	24 300.0	0.06		1 460.0		1 460.0	1 177.6	282.4
SPARKY & GENERAL PETROLEUM C&D TOT	76 700.0			3 810.0	310.0	4 120.0	2 750.9	1 369.1
PRIMARY AREA	65 200.0	<0.04		2 760.0		2 760.0		
WATER FLOOD AREA	10 500.0	0.10	0.03	1 050.0	310.0	1 360.0		
SPARKY E & GENERAL PETROLEUM F	6 940.0	<0.07		445.0		445.0	318.8	126.2
SPARKY D & GENERAL PETROLEUM B	3 610.0	0.03		108.0		108.0	80.4	27.6
SPARKY I & GENERAL PETROLEUM K	10 300.0	<0.05		416.0		416.0	325.4	90.6
SPARKY AAA	520.0	0.04		20.8		20.8	9.4	11.4
SPARKY BBB	236.0	0.05		11.8		11.8	4.1	7.7
SPARKY EEE	126.0	<0.01		0.1		0.1		0.1
SPARKY FFF	93.9	0.05		4.7		4.7	0.1	4.6
SPARKY GGG	177.0	0.05		8.9		8.9	2.0	6.9
SPARKY HHH	71.0	0.05		3.6		3.6	0.2	3.4
SPARKY III	149.0	0.05		7.5		7.5	3.9	3.6
SPARKY JJJ	228.0	0.03		6.8		6.8	1.2	5.6
SPARKY KKK	137.0	0.05		6.9		6.9	1.0	5.9
SPARKY LLL	336.0	0.05		16.8		16.8	3.4	13.4
SPARKY MMM	60.9	0.05		3.0		3.0	1.0	2.0
SPARKY NNN	32.9	0.01		0.3		0.3	0.3	
SPARKY OOO	297.0	0.05		14.9		14.9	5.4	9.5
SPARKY PPP	49.4	<0.01		0.1		0.1	0.1	
SPARKY QQQ	71.4	0.05		3.6		3.6	0.8	2.8
SPARKY SSS	166.0	0.02		3.3		3.3	0.9	2.4
SPARKY TTT	150.0	<0.01		0.6		0.6	0.6	
SPARKY UUU	155.0	0.05		7.8		7.8	0.9	6.9
SPARKY WWW	73.2	0.05		3.7		3.7	1.4	2.3
SPARKY XXX	186.0	0.02		3.7		3.7	1.3	2.4
SPARKY YYY	149.0	0.05		7.5		7.5	0.1	7.4
SPARKY ZZZ	1 740.0	0.05		87.0		87.0	9.8	77.2
SPARKY A2A	236.0	0.05		11.8		11.8	3.7	8.1
SPARKY B2B	157.0	0.05		7.9		7.9	1.0	6.9
SPARKY C2C	94.7	0.07		6.6		6.6	4.9	1.7
SPARKY D2D	218.0	0.05		10.9		10.9	0.7	10.2
SPARKY E2E	243.0	0.05		12.2		12.2	1.0	11.2
SPARKY F2F	97.2	0.15		14.6		14.6	9.4	5.2
SPARKY G2G	274.0	0.05		13.7		13.7	5.8	7.9
GENERAL PETROLEUM E	186.0	0.05		9.4		9.4	0.1	9.3
GENERAL PETROLEUM I	1 330.0	0.02		26.6		26.6	13.5	13.1
GENERAL PETROLEUM J	921.0	0.05		46.1		46.1	20.6	25.5
GENERAL PETROLEUM L	47.5	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM M	860.0	0.05		43.0		43.0	18.9	24.1
GENERAL PETROLEUM N	298.0	0.05		14.9		14.9	7.9	7.0
GENERAL PETROLEUM O	56.0	<0.01		0.1		0.1		0.1
GENERAL PETROLEUM Q	597.0	0.05		29.9		29.9	0.7	29.2
GENERAL PETROLEUM R	223.0	0.05		11.2		11.2	1.9	9.3
GENERAL PETROLEUM S	83.2	0.05		4.2		4.2	2.0	2.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
240	5.03	0.300	0.15	0.99	10	959	22	4 030	577.9	1967	83 12 - GPP
32	3.96	0.320	0.10	0.99	10	959	22	4 090	600.8	1965	75 07 - GPP
32	2.01	0.320	0.10	0.99	10	959	22	4 020	577.9	1952	71 06 - ABAND 65 10
16	3.96	0.320	0.10	0.99	10	959	22	4 060	577.3	1948	71 06 - ABAND 55 01
228	5.09	0.300	0.17	0.99	6	959	22	4 840	580.0	1974	85 12 - GPP
80	3.04	0.300	0.24	0.99	10	986	22	3 480	569.5	1977	86 12 - GPP
32	5.30	0.300	0.19	0.99	12	979	21	3 380	576.0	1977	83 12 - SUSP 81 07
187	3.72	0.300	0.22	0.99	12	977	24	3 500	565.8	1982	86 11
16	5.00	0.270	0.33	0.99	9	986	27	3 940	568.8	1977	83 12 - SUSP 81 06
16	8.50	0.310	0.15	0.99	9	959	16	3 630	616.3	1978	79 02 - SUSP 85 04
16	1.50	0.300	0.35	0.99	9	985	27	4 070	594.3	1978	83 12 - SUSP 81 12
16	3.30	0.300	0.21	0.99	9	972	23	3 960	572.9	1978	84 12 - SUSP 84 05
16	5.50	0.320	0.28	0.99	9	985	27	4 000	592.8	1978	79 05 - ABAND 84 07
8	6.90	0.340	0.21	0.97	10	975	22	2 640	564.6	1978	83 12 - ABAND 82 10
16	2.90	0.300	0.24	0.99	9	979	27	4 240	627.1	1978	84 12 - SUSP 80 01
80	5.85	0.310	0.15	0.99	10	980	22	4 010	588.5	1979	85 08 - GPP
16	6.10	0.320	0.14	0.98	10	961	24	2 460	548.7	1978	82 12 - ABAND 85 10
108	3.20	0.280	0.19	0.97	10	982	24	2 460	563.6	1978	82 08 - GPP
16	3.00	0.280	0.33	0.99	9	982	25	3 888	528.5	1980	83 12 - SUSP 81 10
16	3.80	0.270	0.25	0.99	8	975	25	4 840	619.7	1980	81 07 - ABAND 85 10
2 162	3.95	0.320	0.10	0.99	10	959	22	4 020	588.0	1948	82 12 - GPP
7 426					10	959	22	4 020	599.5	1939	84 12 - GPP
6 681	3.47	0.320	0.10	0.99							
745	4.94	0.320	0.10	0.99							
513	4.74	0.320	0.10	0.99	10	959	22	3 970	563.6	1951	79 06 - GPP
320	3.96	0.320	0.10	0.99	10	959	22	3 970	573.0	1968	75 07 - GPP
862	4.19	0.320	0.10	0.99	10	959	22	3 990	583.7	1944	79 07 - GPP
64	4.10	0.290	0.31	0.99	9	986	25	3 200	606.2	1980	84 12
32	2.93	0.310	0.18	0.99	10	958	28	3 949	559.0	1980	82 06
16	3.80	0.280	0.25	0.99	9	985	27	4 062	594.6	1981	82 08 - ABAND 83 05
16	2.50	0.300	0.21	0.99	9	988	27	4 103	598.3	1981	82 08 - SUSP 83 11
16	4.50	0.310	0.20	0.99	9	959	28	4 093	597.3	1982	82 11
16	2.30	0.300	0.35	0.99	9	971	23	4 070	595.4	1982	83 01 - SUSP 84 12
32	2.40	0.280	0.30	0.99	10	962	22	3 480	553.7	1982	85 12
16	7.00	0.300	0.30	0.97	10	975	22	4 060	598.5	1982	85 12
8	7.77	0.320	0.29	0.97	10	975	26	4 125	624.9	1979	84 01 - SUSP 84 12
48	3.19	0.300	0.26	0.99	10	975	54	3 960	572.5	1982	84 03
4	7.00	0.330	0.32	0.97	10	975	22	4 820	618.0	1979	83 09 - SUSP 85 11
16	1.00	0.300	0.30	0.98	8	981	22	4 200	622.3	1983	80 03 - ABAND 84 05
32	3.50	0.330	0.18	0.98	8	941	19	3 771	556.4	1983	85 12
16	1.50	0.300	0.30	0.98	8	981	22	4 190	628.3	1983	83 11 - SUSP 85 01
16	2.30	0.280	0.30	0.99	10	990	25	4 060	599.8	1983	84 03
16	5.00	0.300	0.30	0.99	9	980	27	4 050	592.0	1984	84 08
16	4.50	0.300	0.30	0.99	10	992	22	3 989	264.8	1984	84 08 - ABAND 84 03
16	4.50	0.310	0.30	0.99	10	990	22	2 500	565.9	1984	84 12 - SUSP 86 06
16	2.00	0.330	0.30	0.99	10	985	25	3 980	490.8	1979	80 03
16	4.50	0.310	0.15	0.98	6	980	30	2 000	599.5	1984	85 01
16	4.00	0.300	0.20	0.97	10	970	27	4 090	592.0	1984	85 02
160	5.67	0.260	0.24	0.97	12	980	26	4 040	596.1	1984	86 06
16	6.20	0.300	0.20	0.99	9	957	41	2 648	557.5	1979	80 03
16	4.50	0.310	0.28	0.98	12	980	24	2 400	506.0	1985	86 03
16	3.39	0.200	0.10	0.97	9	999	24	2 648	511.1	1965	80 05
16	5.00	0.320	0.14	0.99	10	985	30	2 000	548.0	1985	85 08
16	6.50	0.310	0.23	0.98	10	979	19	700	543.4	1985	86 03
16	2.13	0.320	0.10	0.99	7	959	19	3 448	512.0	1965	86 03
16	7.00	0.330	0.25	0.99	10	986	22	4 000	549.0	1980	80 07
16	4.27	0.320	0.15	0.99	12	959	21	3 448	602.0	1974	75 09
198	2.76	0.300	0.18	0.99	9	974	25	3 282	599.0	1977	85 12 - GPP
96	3.94	0.300	0.18	0.99	10	984	25	3 620	588.4	1975	86 10 - GPP
8	2.74	0.270	0.20	0.99	9	979	27	3 910	588.0	1977	78 05 - SUSP 78 09
80	4.52	0.300	0.20	0.99	8	984	27	3 730	568.7	1977	85 12 - GPP
32	4.18	0.300	0.25	0.99	9	983	27	3 068	580.8	1977	86 03
8	4.00	0.270	0.35	0.99	9	972	27	3 068	615.0	1979	79 10 - ABAND 80 05
16	12.70	0.330	0.10	0.99	10	970	27	4 094	607.7	1981	82 04 - SUSP 86 03
16	5.00	0.320	0.12	0.99	9	974	25	3 719	567.5	1981	82 08
16	2.50	0.280	0.25	0.99	10	988	25	3 836	641.8	1982	82 09 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE $10^3 m^3$	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY $10^3 m^3$	5 INITIAL ESTABLISHED RESERVES ENHANCED $10^3 m^3$	6 INITIAL ESTABLISHED RESERVES TOTAL $10^3 m^3$	7 CUMULATIVE PRODUCTION $10^3 m^3$	8 REMAINING ESTABLISHED RESERVES $10^3 m^3$
LLOYDMINSTER 050-01W5 (CONTINUED)								
GENERAL PETROLEUM T	106.0	0.05		5.3		5.3	0.1	5.2
GENERAL PETROLEUM U	57.0	0.05		2.9		2.9		2.9
GENERAL PETROLEUM V	175.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM W	136.0	0.05		6.8		6.8	0.4	6.4
GENERAL PETROLEUM X	715.0	0.05		35.8		35.8	0.6	35.2
LLOYDMINSTER A	176.0	0.02		3.5		3.5	1.8	1.7
LLOYDMINSTER B	392.0	0.01		3.9		3.9	1.6	2.3
LLOYDMINSTER D	165.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER E	170.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER F	175.0	0.02		3.5		3.5	2.1	1.4
LLOYDMINSTER G	179.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER I	89.6	0.05		4.5		4.5	0.5	4.0
LLOYDMINSTER K	271.0	0.05		13.6		13.6	1.2	12.4
LLOYDMINSTER M	2 150.0	0.05		108.0		108.0	22.0	86.0
CUMMINGS A	359.0	0.03		10.8		10.8	3.0	7.8
CUMMINGS B	487.0	0.05		24.4		24.4	15.1	9.3
CUMMINGS C	66.1	0.03		2.0		2.0	0.5	1.5
CUMMINGS D	238.0	0.05		11.9		11.9	1.6	10.3
CUMMINGS E	58.7	<0.01		0.1		0.1		0.1
CUMMINGS F	169.0	0.03		5.1		5.1	0.5	4.6
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE B	62.5	0.10		6.3		6.3	1.4	4.9
LOWER MANNVILLE D	64.7	0.10		6.5		6.5	2.2	4.3
BANFF B	529.0	<0.01		0.7		0.7	0.7	
BANFF C	36.6	<0.02		0.6		0.6	0.6	
MAJORVILLE 018-19W4								
UPPER MANNVILLE A	1 330.0	0.15		200.0		200.0	122.8	77.2
UPPER MANNVILLE B	296.0	0.05		14.8		14.8	11.8	3.0
UPPER MANNVILLE C	297.0	0.10		29.7		29.7	12.2	17.5
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826.0	0.03		24.8		24.8	11.3	13.5
UPPER MANNVILLE B	405.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE M	420.0	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151.0	<0.01		0.2		0.2	0.2	
MATZIWIN 023-14W4								
PEKISKO A	1 050.0	0.10		105.0		105.0	101.0	4.0
PEKISKO B	168.0	<0.02		2.3		2.3	2.3	
MEDICINE HAT 012-05W4								
GLAUCONITIC C	4 861.0	0.05		243.0		243.0	53.4	189.6
LOWER MANNVILLE A	130.0	0.10		13.0		13.0	7.3	5.7
LOWER MANNVILLE C	127.0	0.10		12.7		12.7	7.9	4.8
LOWER MANNVILLE I	252.0	0.05		12.6		12.6	4.9	7.7
LOWER MANNVILLE K	70.3	<0.02		1.2		1.2	1.2	
MEDICINE RIVER 039-03W5								
ELKTON-SHUNDA B	1 120.0	0.10		112.0		112.0	86.7	25.3
MORGAN 051-04W4								
SPARKY A	5 520.0	0.05		276.0		276.0	166.7	109.3
WAINWRIGHT A	112.0	0.04		4.5		4.5	2.4	2.1
LLOYDMINSTER A	57 500.0	0.01		575.0		575.0	290.3	284.7
LLOYDMINSTER B	1 740.0	0.05		87.0		87.0	3.0	84.0
LLOYDMINSTER D	465.0	0.02		9.3		9.3	1.0	8.3
DINA A	159.0	<0.01		0.2		0.2	0.2	
NORRIS 053-18W4								
UPPER MANNVILLE H	166.0	0.05		8.3		8.3	2.1	6.2
GLAUCONITIC A	82.1	<0.01		0.6		0.6	0.6	
PADDLE RIVER 057-08W5								
RUNDLE	6 040.0	<0.04		203.6		203.6	203.6	
PARADISE 047-02W4								
CUMMINGS A	100.0	0.02		2.0		2.0	0.1	1.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	3.00	0.280	0.20	0.99	9	959	22	3 557	615.2	1983	83 05
8	3.00	0.300	0.20	0.99	9	983	27	3 840	575.0	1984	84 08
16	4.50	0.310	0.20	0.98	6	970	30	3 780	555.3	1984	85 07 - ABAND 85 06
16	3.50	0.310	0.21	0.99	24	930	26	5 000	571.3	1985	85 11
64	4.35	0.320	0.19	0.99	14	980	26	5 000	562.9	1985	86 10
16	4.88	0.285	0.20	0.99	8	979	27	3 790	610.2	1973	82 12 - SUSP 83 09
32	5.70	0.310	0.30	0.99	10	959	22	3 450	605.0	1974	85 04
16	4.20	0.310	0.20	0.99	9	973	27	4 200	605.7	1977	83 12 - SUSP 80 07
16	4.20	0.320	0.20	0.99	11	992	25	4 220	607.8	1977	83 12 - SUSP 78 02
16	4.60	0.300	0.20	0.99	8	974	27	4 200	605.4	1975	85 07
16	7.62	0.270	0.45	0.99	10	991	27	4 930	654.0	1978	79 04 - SUSP 82 08
16	2.50	0.290	0.22	0.99	22	975	25	4 239	610.0	1983	83 09
16	6.70	0.290	0.12	0.99	22	978	25	3 810	602.7	1983	84 08
108	7.72	0.310	0.16	0.99	10	983	27	4 295	684.3	1983	85 06
32	5.07	0.290	0.23	0.99	10	972	30	4 356	630.9	1977	82 10 - GPP
32	6.40	0.305	0.20	0.99	9	973	27	4 340	632.8	1977	85 12 - GPP
16	2.10	0.280	0.29	0.99	9	980	29	5 250	727.5	1978	79 06 - SUSP 85 11
16	6.30	0.280	0.15	0.99	9	988	29	4 462	655.2	1982	83 04 - SUSP 86 09
16	1.90	0.270	0.27	0.98	9	980	29	4 050	697.8	1983	83 11 - ABAND 84 05
16	4.50	0.030	0.21	0.99	90	973	29	4 682	647.8	1979	83 10
32	1.40	0.170	0.35	0.80	145	920	32	9 735	1 223.0	1981	84 12 - SUSP 82 10
16	5.00	0.140	0.38	0.90	70	921	58	9 650	1 245.0	1980	80 10
32	2.50	0.150	0.35	0.83	66	934	49	9 434	1 249.6	1979	85 12 - SUSP 86 03
65	8.84	0.160	0.35	0.89	43	898	44	10 450	1 319.5	1974	77 03 - SUSP 77 01
64	1.30	0.100	0.45	0.80	87	903	32	10 560	1 210.3	1982	83 02 - ABAND 86 02
176	4.36	0.240	0.15	0.85	59	887	60	11 900	1 378.6	1974	86 12
32	6.40	0.200	0.15	0.85	58	887	60	11 720	1 330.4	1975	79 12
65	3.05	0.240	0.26	0.85	58	887	60	12 740	1 424.3	1975	76 09
80	4.88	0.300	0.28	0.98	10	972	33	4 900	626.8	1971	82 12 - GPP
65	2.74	0.310	0.25	0.98	10	979	33	4 830	619.7	1971	72 12 - ABAND 72 05
65	3.05	0.310	0.30	0.98	10	979	21	3 480	586.7	1974	78 01 - SUSP 77 11
16	3.90	0.320	0.23	0.98	6	994	30	4 377	719.0	1981	82 04 - ABAND 85 08
296	5.40	0.104	0.30	0.90	53	915	35	9 960	1 021.1	1962	78 12 - GPP
32	6.25	0.132	0.30	0.90	53	892	35	9 860	1 008.6	1962	67 02 - ABAND 71 11
416	8.43	0.220	0.30	0.90	45	960	26	9 868	829.9	1984	86 11
40	2.55	0.230	0.43	0.97	9	960	31	10 000	887.8	1978	86 12 - GPP
64	2.10	0.210	0.50	0.90	44	958	27	10 060	891.0	1979	85 12 - GPP
112	2.75	0.150	0.40	0.91	37	945	30	10 202	927.3	1976	84 11 - GPP
16	2.44	0.230	0.14	0.91	35	979	32	10 516	1 030.8	1977	84 09 - SUSP 84 10
559	5.94	0.060	0.25	0.75	59	940	70	17 590	2 296.4	1973	75 12
622	4.07	0.290	0.24	0.99	9	992	21	3 450	539.6	1977	85 12 - GPP
16	4.00	0.200	0.10	0.97	9	999	24	2 650	556.0	1965	86 12
3 016	7.08	0.320	0.15	0.99	7	993	21	3 336	559.1	1976	85 02 - GPP
96	7.71	0.300	0.20	0.98	10	980	25	1 768	558.9	1983	84 12
16	10.80	0.320	0.15	0.99	12	994	25	3 000	564.0	1984	85 04
16	4.50	0.300	0.25	0.98	10	980	25	2 824	595.1	1983	84 03 - ABAND 84 07
32	2.80	0.300	0.30	0.88	30	918	35	5 698	855.2	1979	86 12
16	3.10	0.280	0.35	0.91	40	930	29	5 730	861.5	1980	81 09 - ABAND 82 03
1 616	6.92	0.075	0.20	0.90	39	959	63	12 310	1 568.5	1956	71 12 - SUSP 71 11
16	2.47	0.320	0.20	0.99	9	999	27	5 320	637.7	1977	79 08 - SUSP 83 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PENDANT D'OREILLE 003-08W4								
MANNVILLE D	427.0	<0.01		1.2		1.2	1.2	
MANNVILLE L	96.9	0.05		4.8		4.8		4.8
PLAIN 053-12W4								
COLONY E	243.0	<0.02		4.0		4.0	3.4	0.6
PRINCESS 020-11W4								
BASAL MANNVILLE E	953.0	<0.01		4.4		4.4	4.4	
BASAL MANNVILLE I	235.0	0.10		23.5		23.5	4.6	18.9
BASAL MANNVILLE O	690.0	<0.01		1.1		1.1	1.1	
BASAL MANNVILLE P	1 260.0	0.04		50.4		50.4	42.5	7.9
BASAL MANNVILLE Q	775.0	<0.01		2.8		2.8	2.8	
BASAL MANNVILLE R	248.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE U	137.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE V	182.0	0.05		9.1		9.1	3.4	5.7
BASAL MANNVILLE W	80.2	0.10		8.0		8.0	3.4	4.6
PEKISKO A	1 710.0	0.15		257.0		257.0	210.3	46.7
PEKISKO B	242.0	0.10		24.2		24.2	11.1	13.1
PEKISKO C	55.1	0.05		2.8		2.8	0.3	2.5
PEKISKO D	62.4	0.15		9.4		9.4	6.0	3.4
PEKISKO E	32.6	0.30		9.8		9.8	7.7	2.1
JEFFERSON A	531.0	0.10		53.1		53.1	53.1	
PROVOST 036-07W4								
MANNVILLE V	185.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE A	10 100.0	0.03		303.0		303.0	162.2	140.8
UPPER MANNVILLE B	34 200.0	0.03		1 020.0		1 020.0	398.5	621.5
UPPER MANNVILLE C	1 000.0	0.05		50.0		50.0	39.4	10.6
UPPER MANNVILLE E	133.0	0.07		9.3		9.3	6.2	3.1
UPPER MANNVILLE M	250.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE O	44.2	0.05		2.2		2.2	1.3	0.9
UPPER MANNVILLE U	39.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE V	75.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	33.5	<0.01		0.1		0.1		0.1
UPPER MANNVILLE BB	7 880.0	0.04		315.0		315.0	178.0	137.0
UPPER MANNVILLE CC	70.2	<0.01		0.1		0.1		0.1
UPPER MANNVILLE DD	113.0	0.05		5.7		5.7	2.1	3.6
UPPER MANNVILLE JJ	183.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE KK	112.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE LL	44.7	0.05		2.2		2.2	0.4	1.8
UPPER MANNVILLE VV	33.6	0.05		1.7		1.7	0.3	1.4
UPPER MANNVILLE WW	30.4	0.05		1.5		1.5	0.9	0.6
UPPER MANNVILLE XX	53.9	0.10		5.4		5.4	2.8	2.6
UPPER MANNVILLE YY	137.0	0.10		13.7		13.7	10.3	3.4
UPPER MANNVILLE FFF	130.0	0.10		13.0		13.0	1.1	11.9
UPPER MANNVILLE III	213.0	0.05		10.7		10.7	1.1	9.6
UPPER MANNVILLE KKK	226.0	0.01		2.3		2.3	1.2	1.1
UPPER MANNVILLE LLL	181.0	0.05		9.1		9.1	0.3	8.8
UPPER MANNVILLE MMM	171.0	0.10		17.1		17.1	1.2	15.9
UPPER MANNVILLE NNN	47.8	0.05		2.4		2.4	0.2	2.2
UPPER MANNVILLE OOO	120.0	0.05		6.0		6.0	2.1	3.9
UPPER MANNVILLE PPP	1 330.0	0.03		39.9		39.9	15.0	24.9
UPPER MANNVILLE QQQ	292.0	0.05		14.6		14.6	1.0	13.6
UPPER MANNVILLE RRR	690.0	0.05		34.5		34.5	2.6	31.9
UPPER MANNVILLE SSS	581.0	0.03		17.4		17.4	1.3	16.1
UPPER MANNVILLE TTT	171.0	0.10		17.1		17.1	1.3	15.8
UPPER MANNVILLE UUU	129.0	0.10		12.9		12.9	1.1	11.8
UPPER MANNVILLE YYY	48.8	<0.01		0.1		0.1		0.1
UPPER MANNVILLE S2S	116.0	0.05		5.8		5.8	1.6	4.2
UPPER MANNVILLE T2T	125.0	0.05		6.3		6.3	4.1	2.2
UPPER MANNVILLE U2U	423.0	0.10		42.3		42.3	1.9	40.4
UPPER MANNVILLE V2V	39.3	0.05		2.0		2.0	1.4	0.6
UPPER MANNVILLE W2W	61.6	0.06		3.7		3.7	3.1	0.6
UPPER MANNVILLE X2X	43.7	<0.02		0.8		0.8	0.8	
UPPER MANNVILLE A3A	135.0	0.10		13.5		13.5	0.2	13.3
UPPER MANNVILLE B3B	245.0	0.02		4.9		4.9	0.8	4.1
COLONY A	81.9	0.05		4.1		4.1	0.5	3.6
COLONY B	309.0	<0.01		0.1		0.1	0.1	
COLONY C	69.7	0.05		3.5		3.5	1.6	1.9
CUMMINGS C	243.0	<0.01		0.1		0.1	0.1	
CUMMINGS D	14.3	0.05		0.7		0.7	0.1	0.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	6.40	0.210	0.40	0.82	80	910	38	8 370	863.8	1968	75 10 - ABAND 74 10
32	3.60	0.180	0.43	0.82	28	923	33	7 871	857.5	1977	81 10 - SUSP 80 07
64	2.20	0.280	0.34	0.95	11	927	29	4 910	617.2	1974	82 12 - GPP
262	3.05	0.200	0.33	0.89	53	915	33	9 960	979.9	1968	68 09 - ABAND 79 09
64	3.26	0.220	0.43	0.90	40	892	32	9 259	993.2	1965	82 11
65	8.53	0.220	0.39	0.93	32	940	34	10 380	1 004.6	1972	75 12 - SUSP 75 05
195	5.30	0.219	0.38	0.90	46	910	37	9 910	968.7	1972	75 12 - GPP
129	5.56	0.207	0.42	0.90	48	892	33	10 340	1 021.7	1972	83 12 - ABAND 83 12
64	4.03	0.184	0.42	0.90	47	927	33	9 090	964.4	1973	75 12 - ABAND 81 11
32	4.40	0.180	0.40	0.90	42	922	32	10 187	969.7	1982	83 09 - SUSP 84 10
16	11.20	0.190	0.40	0.89	45	928	33	10 393	972.0	1983	84 02
32	1.75	0.230	0.30	0.89	47	923	33	10 383	972.6	1983	85 12
543	6.00	0.070	0.15	0.88	50	881	31	10 960	1 016.5	1946	81 12 - GPP
48	6.94	0.110	0.25	0.88	49	892	34	10 520	1 022.2	1978	85 06
16	8.70	0.110	0.60	0.90	44	945	31	10 440	1 025.0	1982	83 01
16	5.60	0.120	0.34	0.88	49	888	34	10 730	1 037.3	1978	85 06
16	2.30	0.140	0.28	0.88	49	881	34	10 494	1 021.2	1978	86 12
							38	11 070	1 017.1	1944	67 01 - ABAND 69 09
16	4.78	0.300	0.15	0.95	20	934	30	5 750	787.9	1977	83 12 - SUSP 80 05
1 048	4.14	0.300	0.20	0.97	12	965	27	5 900	779.5	1969	81 12 - GPP
1 233	12.71	0.300	0.25	0.97	11	979	24	5 450	744.3	1973	78 11 - GPP
112	4.40	0.300	0.30	0.97	16	921	26	5 790	779.7	1973	83 12
32	3.06	0.253	0.42	0.92	23	915	32	6 140	817.8	1977	85 12
16	6.55	0.300	0.18	0.97	14	972	27	6 170	822.7	1978	78 12 - SUSP 78 10
16	2.47	0.210	0.45	0.97	9	952	34	8 400	1 040.9	1977	78 10 - SUSP 83 12
16	2.10	0.240	0.50	0.97	12	969	30	5 968	915.5	1977	80 11 - SUSP 80 03
16	2.30	0.350	0.40	0.97	13	960	30	6 140	801.3	1979	80 12 - SUSP 82 05
16	1.60	0.270	0.50	0.97	12	980	27	7 179	788.2	1980	81 04 - ABAND 81 09
448	8.63	0.280	0.25	0.97	10	980	26	5 385	753.1	1977	85 12 - GPP
16	2.60	0.290	0.40	0.90	12	990	27	6 131	782.7	1980	81 07 - ABAND 86 01
16	3.70	0.290	0.32	0.97	12	990	27	6 141	788.4	1980	81 07 - GPP
16	6.00	0.280	0.30	0.97	12	980	23	5 367	740.5	1981	81 10 - SUSP 81 08
16	3.20	0.300	0.25	0.97	14	980	29	5 900	820.4	1981	83 12 - ABAND 83 11
16	2.00	0.240	0.40	0.97	17	960	26	6 180	933.8	1981	81 10 - SUSP 82 01
16	1.70	0.250	0.49	0.97	10	988	29	5 681	772.7	1982	82 09 - SUSP 84 10
16	1.00	0.280	0.30	0.97	11	940	30	5 369	708.4	1979	82 06
32	1.00	0.270	0.35	0.96	16	934	30	5 068	768.5	1981	83 12
64	1.95	0.210	0.45	0.95	17	945	18	5 635	780.0	1978	85 09 - GPP
16	4.30	0.260	0.25	0.97	9	957	34	2 707	915.5	1983	84 02
64	2.87	0.230	0.48	0.97	11	922	28	5 800	878.9	1983	85 01 - SUSP 86 02
64	2.50	0.270	0.45	0.95	11	889	31	6 011	789.8	1984	85 01
32	4.50	0.240	0.46	0.97	11	904	32	6 623	931.8	1984	85 01
32	3.20	0.290	0.40	0.96	15	911	27	6 880	873.4	1984	85 03
16	2.00	0.280	0.45	0.97		950	32	6 205	759.5	1981	82 02
64	3.00	0.210	0.67	0.90	32	892	33	6 634	970.2	1984	85 03
76	7.30	0.290	0.15	0.97	25	985	30	5 258	742.6	1984	86 07
32	8.00	0.235	0.50	0.97	11	910	32	5 707	833.6	1984	85 04
64	6.51	0.280	0.39	0.97	12	994	27	5 360	780.3	1983	86 07 - GPP
16	14.50	0.300	0.14	0.97	10	980	30	5 237	750.5	1984	85 06
32	2.00	0.810	0.63	0.89	45	898	34	5 844	799.5	1984	85 08
32	5.20	0.190	0.54	0.89	45	898	35	5 978	802.3	1984	85 08
16	3.00	0.230	0.54	0.96	15	910	30	5 385	778.3	1984	85 10 - ABAND 85 10
16	4.60	0.270	0.40	0.97	15	979	26	5 500	739.3	1981	82 02 - SUSP 86 04
16	3.60	0.290	0.23	0.97	15	990	26	5 500	766.8	1980	86 12
128	2.00	0.260	0.31	0.92	32	871	32	5 000	947.6	1985	86 10
16	1.50	0.260	0.35	0.97	15	980	29	5 800	817.0	1981	81 08 - SUSP 86 04
16	2.10	0.270	0.30	0.97	12	965	28	5 642	844.8	1977	82 12 - GPP
16	1.80	0.230	0.32	0.97	13	959	28	5 750	885.7	1977	77 06 - SUSP 79 08
64	1.80	0.200	0.35	0.90	40	860	32	5 700	877.6	1984	85 10
32	5.50	0.290	0.49	0.94	24	908	24	4 600	754.8	1985	86 04
16	4.00	0.240	0.45	0.97	12	930	27	4 790	691.5	1982	83 10
16	8.00	0.300	0.17	0.97	12	976	28	5 344	699.0	1983	85 12 - SUSP 84 04
16	3.00	0.290	0.45	0.91	23	932	28	4 910	719.9	1985	85 12
16	7.00	0.280	0.20	0.97	11	988	26	3 500	840.5	1982	85 12 - SUSP 84 10
16	0.70	0.240	0.45	0.97	11	931	26	5 895	828.1	1983	84 01 - SUSP 84 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PROVOST 036-07W4 (CONTINUED)								
CUMMINGS H	15.5	0.05		0.8		0.8	0.3	0.5
CUMMINGS J	80.0	0.05		4.0		4.0	1.9	2.1
CUMMINGS L	140.0	0.05		7.0		7.0	1.4	5.6
CUMMINGS M	106.0	0.10		10.6		10.6	6.7	3.9
CUMMINGS N	127.0	0.05		6.3		6.3	2.7	3.6
CUMMINGS O	33.5	0.05		1.7		1.7		1.7
LOWER MANNVILLE C	169.0	0.10		16.9		16.9	7.7	9.2
LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.4	2.0
LOWER MANNVILLE H	96.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE J	90.9	<0.02		1.1		1.1	0.7	0.4
LOWER MANNVILLE Z	2 600.0	0.10		260.0		260.0	56.4	203.6
LOWER MANNVILLE MM	52.1	0.10		5.2		5.2	2.4	2.8
DINA A	1 400.0	0.15		210.0		210.0	78.9	131.1
DINA C	6 170.0	0.05		309.0		309.0	85.9	223.1
DINA E	748.0	0.05		37.4		37.4	3.3	34.1
DINA F	37.3	0.05		1.9		1.9	0.3	1.6
DINA G	286.0	0.10		28.6		28.6	2.1	26.5
DINA H	123.0	0.05		6.2		6.2	0.3	5.9
DINA I	145.0	0.03		4.4		4.4	0.1	4.3
DINA J	123.0	0.05		6.2		6.2	0.9	5.3
DINA K	216.0	0.05		10.8		10.8	0.9	9.9
DINA L	846.0	0.05		42.3		42.3	4.0	38.3
DINA M	222.0	0.10		22.2		22.2	0.2	22.0
DINA N	6 400.0	0.05		320.0		320.0	104.1	215.9
DINA O	2 193.0	0.02		43.9		43.9	27.9	16.0
DINA P	131.0	0.05		6.6		6.6	0.3	6.3
DINA Q	262.0	0.05		13.1		13.1	1.0	12.1
DINA R	659.0	0.03		19.8		19.8	5.1	14.7
DINA S	1 370.0	0.15		206.0		206.0	17.0	189.0
DINA T	164.0	0.05		8.2		8.2	1.7	6.5
BASAL QUARTZ A	607.0	0.05		30.4		30.4	18.5	11.9
BASAL QUARTZ C	5 610.0	0.07		393.0		393.0	117.4	275.6
ELLERSLIE A	34.4	<0.03		1.1		1.1	1.1	
RAINIER 017-15W4								
GLAUCONITIC A	261.0	0.10		26.1		26.1	18.6	7.5
GLAUCONITIC E TOTAL	840.0			84.0	81.0	165.0	51.5	113.5
PRIMARY AREA	300.0	0.10		30.0		30.0		
WATER FLOOD AREA	540.0	0.10	0.15	54.0	81.0	135.0		
BASAL QUARTZ A	38.3	<0.01		0.2		0.2	0.2	
REAGAN 001-19W4								
RUNDLE A	460.0	0.18		82.8		82.8	71.8	11.0
RED COULEE 001-17W4								
CUT BANK B	1 010.0	0.05		50.5		50.5	40.1	10.4
CUT BANK C	158.0	0.03		4.7		4.7	0.9	3.8
RUNDLE A	71.5	0.15		10.8		10.8	10.0	0.8
RUNDLE B	36.5	0.02		0.7		0.7	0.7	
RETLAW 012-18W4								
MANNVILLE F	110.0	<0.01		0.2		0.2	0.1	0.1
MANNVILLE I	1 270.0	0.10		127.0		127.0	117.9	9.1
MANNVILLE O	124.0	<0.02		1.7		1.7	1.7	
MANNVILLE Q	183.0	<0.01		0.1		0.1	0.1	
MANNVILLE R	238.0	0.05		11.9		11.9	6.9	5.0
MANNVILLE V	2 210.0	0.10		221.0		221.0	52.9	168.1
MANNVILLE W	371.0	0.04		14.8		14.8	6.1	8.7
MANNVILLE EE	247.0	0.05		12.4		12.4	6.8	5.6
MANNVILLE FF	178.0	<0.01		0.1		0.1		0.1
MANNVILLE GG	92.7	<0.01		0.1		0.1	0.1	
MANNVILLE MM	90.4	<0.01		0.4		0.4	0.4	
MANNVILLE PP	174.0	0.05		8.7		8.7	6.6	2.1
MANNVILLE UU	44.8	<0.01		0.1		0.1		0.1
MANNVILLE WW	244.0	<0.01		0.1		0.1		0.1
MANNVILLE AAA	195.0	0.01		2.0		2.0	1.2	0.8
MANNVILLE BBB	1 300.0	0.05		65.0		65.0	16.0	49.0
MANNVILLE FFF	413.0	0.10		41.3		41.3	7.7	33.6
MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
MANNVILLE KKK	105.0	<0.02		1.3		1.3	1.3	
MANNVILLE OOO	97.3	0.10		9.7		9.7	6.6	3.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	1.00	0.200	0.50	0.97	10	988	31	5 026	792.0	1983	83 09
32	1.71	0.260	0.42	0.97	12	924	27	2 600	775.2	1984	86 09
16	4.00	0.300	0.25	0.97	13	999	27	4 000	827.0	1983	83 10
32	1.60	0.280	0.20	0.92	28	918	24	5 200	790.4	1984	86 12
32	2.00	0.300	0.32	0.97	15	920	32	5 400	796.3	1985	86 04
16	1.50	0.240	0.40	0.97	11	902	27	2 500	800.3	1984	86 08
64	2.30	0.230	0.48	0.96	18	865	32	7 000	1 028.1	1978	79 01
16	1.80	0.210	0.40	0.94	27	917	32	5 840	909.8	1976	79 05
16	3.40	0.280	0.35	0.97	10	980	27	6 099	795.3	1980	84 12 - ABAND 86 01
16	3.50	0.270	0.38	0.97	12	970	29	6 047	789.8	1980	81 01 - ABAND 82 06
126	8.69	0.300	0.14	0.92	34	900	34	5 920	910.0	1983	85 04
16	2.80	0.240	0.50	0.97	12	963	24	5 500	915.3	1980	86 03 - SUSP 86 04
330	2.74	0.260	0.34	0.90	38	894	31	5 430	792.3	1982	86 07 - GPP
606	5.98	0.280	0.24	0.92	36	918	28	5 463	823.2	1983	85 12
64	6.99	0.250	0.41	0.97	11	960	30	5 733	850.8	1981	84 09
16	1.80	0.240	0.40	0.90	41	939	30	5 927	817.9	1983	84 09
32	4.28	0.290	0.20	0.90	28	922	31	5 733	918.1	1984	86 05
32	4.00	0.200	0.50	0.96	25	904	28	5 607	777.2	1984	85 03 - SUSP 85 12
16	3.90	0.300	0.20	0.97	20	976	30	6 222	867.1	1984	85 03 - SUSP 86 04
16	4.10	0.280	0.30	0.96	23	925	29	5 489	795.8	1984	84 01
16	6.00	0.290	0.80	0.97	15	945	30	5 504	813.7	1984	85 05
64	5.53	0.290	0.15	0.97	7	914	27	5 582	839.8	1984	85 08
32	3.50	0.280	0.27	0.97	11	904	30	5 514	814.1	1984	85 08 - SUSP 85 10
409	6.70	0.290	0.17	0.97	10	934	31	5 930	836.2	1957	86 09 - GPP
120	8.02	0.290	0.19	0.97	10	928	30	5 910	834.0	1957	86 11 - GPP
16	3.50	0.290	0.17	0.97	11	946	29	5 503	823.3	1984	84 05 - SUSP 86 01
32	5.03	0.230	0.27	0.97	10	960	30	3 821	819.2	1984	86 08
48	6.03	0.290	0.19	0.97	15	920	27	5 377	790.2	1983	86 06
164	5.25	0.240	0.31	0.96	13	874	32	6 627	949.6	1985	86 11
32	2.80	0.270	0.30	0.97	15	915	30	4 500	962.4	1985	86 11
40	9.60	0.250	0.33	0.94	25	921	33	5 900	899.1	1975	84 05
192	13.46	0.300	0.23	0.94	25	921	33	5 827	892.6	1977	84 12
32	1.50	0.130	0.40	0.92	34	917	35	5 722	914.1	1981	85 12 - ABAND 84 08
32	4.35	0.260	0.18	0.88	41	888	28	11 076	1 032.0	1981	83 04
186					60	867	31	10 980	1 028.2	1981	86 12
122	1.40	0.250	0.20	0.88							
64	4.80	0.250	0.20	0.88							
32	1.40	0.160	0.40	0.89	40	905	21	11 128	1 066.3	1980	84 12 - SUSP 81 09
274	2.78	0.110	0.27	0.75	127	844	29	7 580	1 094.2	1958	81 12 - GPP
229	4.18	0.180	0.37	0.93	32	904	27	6 030	838.2	1960	85 12 - GPP
32	5.91	0.180	0.42	0.80	32	904	30	6 000	896.0	1966	86 02
21	5.61	0.110	0.25	0.75	32	910	28	6 270	948.2	1961	75 12 - GPP
16	3.66	0.110	0.25	0.75	32	904	28	6 210	879.7	1967	77 04 - SUSP 68 12
65	1.22	0.200	0.20	0.87	64	921	32	11 510	1 075.0	1965	65 05 - ABAND 66 01
454	2.13	0.218	0.30	0.86	64	921	39	11 580	1 086.1	1964	77 12 - GPP
65	1.77	0.172	0.27	0.86	45	946	37	11 810	1 106.7	1971	72 02 - ABAND 72 10
65	2.74	0.190	0.37	0.86	66	921	41	11 893	1 065.6	1971	74 04 - ABAND 74 03
96	2.25	0.197	0.35	0.86	14	921	38	11 550	1 091.1	1974	79 12
1 056	1.53	0.200	0.23	0.89	57	946	32	11 720	1 069.5	1976	85 09
96	3.53	0.185	0.32	0.87	57	921	32	12 030	1 134.9	1976	86 12
128	2.25	0.159	0.35	0.86	62	910	34	11 690	1 089.0	1978	83 09
65	3.05	0.160	0.35	0.87	59	910	35	11 690	1 121.0	1978	78 12 - ABAND 82 07
16	5.50	0.180	0.35	0.90	44	965	35	11 860	1 109.0	1978	82 12 - SUSP 79 10
32	1.80	0.220	0.18	0.87	50	922	37	11 880	1 093.0	1979	85 12 - SUSP 84 02
32	4.80	0.200	0.35	0.87	89	916	37	11 542	1 072.5	1979	85 12
16	2.78	0.180	0.35	0.86	66	959	35	10 337	1 104.1	1980	83 12 - SUSP 81 06
32	5.50	0.230	0.30	0.86	60	921	38	11 785	1 108.4	1977	85 12 - SUSP 81 03
16	17.97	0.150	0.48	0.87	54	917	32	11 146	1 075.7	1980	83 12 - SUSP 83 11
423	2.93	0.180	0.33	0.87	60	915	37	11 808	1 053.3	1981	84 10 - GPP
64	8.13	0.142	0.35	0.86	60	891	35	11 310	1 075.9	1981	82 05
32	1.30	0.240	0.37	0.86	60	930	32	11 703	1 101.4	1981	84 12 - SUSP 82 08
32	3.70	0.188	0.45	0.86	68	921	33	11 555	1 102.3	1981	84 12 - SUSP 82 12
32	3.40	0.160	0.35	0.86	62	925	32	11 394	1 110.5	1978	83 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RETLAW 012-18W4 (CONTINUED)								
MANNVILLE TTT	21.3	0.10		2.1		2.1	1.1	1.0
MANNVILLE B2B	44.1	0.05		2.2		2.2	0.1	2.1
MANNVILLE C2C	73.1	0.10		7.3		7.3	0.1	7.2
MANNVILLE F2F	76.0	0.05		3.8		3.8	0.4	3.4
MANNVILLE G2G	405.0	0.10		40.5		40.5	0.9	39.6
RIBSTONE 043-04W4								
SPARKY A	2 200.0	0.05		110.0		110.0	44.2	65.8
GENERAL PETROLEUM A	35.5	0.07		2.6		2.6	1.4	1.2
LLOYDMINSTER A	372.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER B	163.0	0.05		8.2		8.2	1.6	6.6
NISKU A	671.0	0.05		33.6		33.6	14.1	19.5
NISKU B	506.0	0.05		25.3		25.3	4.0	21.3
NISKU C	125.0	0.05		6.3		6.3	1.4	4.9
NISKU D	222.0	0.05		11.1		11.1	0.8	10.3
NISKU E	118.0	0.05		5.9		5.9	0.3	5.6
RICHDALE 030-13W4								
LOWER MANNVILLE G	80.0	0.15		12.0		12.0	6.6	5.4
RIVERCOURSE 047-01W4								
COLONY A	245.0	<0.03		6.2		6.2	6.2	
COLONY B	265.0	<0.06		2.9		2.9	2	
SPARKY A	307.0	0.10		30.7		30.7	24.	6.7
SPARKY B	283.0	0.02		5.7		5.7	3.8	1.9
SPARKY C	263.0	0.01		2.6		2.6	1.8	0.8
SPARKY D	186.0	<0.02		3.2		3.2	3.2	
SPARKY E	65.2	0.05		3.3		3.3	0.6	2.7
CUMMINGS A	3 180.0	0.03		95.4		95.4	46.9	48.5
RONALANE 013-12W4								
LOWER MANNVILLE A	149.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE B	855.0	0.05		42.7		42.7	40.8	1.9
LOWER MANNVILLE E	314.0	0.10		31.4		31.4	3.7	27.7
SAWTOOTH A	196.0	0.10		19.6		19.6	3.3	16.3
SAWTOOTH B	1 480.0	0.15		222.0		222.0	14.9	207.1
SAWTOOTH C	536.0	0.15		80.4		80.4	51.6	28.8
SAWTOOTH D	71.5	<0.01		0.4		0.4	0.4	
SAWTOOTH H	258.0	0.05		12.9		12.9	1.8	11.1
SAWTOOTH I	1 237.0	0.10		124.0		124.0	9.4	114.6
SCOLL 033-21W4								
GLAUCONITIC A	204.0	0.05		10.2		10.2	0.4	9.8
SEDGEWICK 042-12W4								
BASAL MANNVILLE C	117.0	0.10		11.7		11.7	1.7	10.0
SIBBALD 027-02W4								
UPPER MANNVILLE C TOTAL	4 360.0			256.0	383.0	639.0	290.4	348.6
PRIMARY AREA	99.2	<0.01		0.2		0.2		
WATER FLOOD AREA	4 260.0	0.06	0.09	256.0	383.0	639.0		
UPPER MANNVILLE D	40.1	0.05		2.0		2.0		2.0
LOWER MANNVILLE B	138.0	<0.01		0.1		0.1		0.1
SKIFF 005-14W4								
SAWTOOTH A	890.0	0.12		107.0		107.0	64.4	42.6
SAWTOOTH B	133.0	0.10		13.3		13.3	4.5	8.8
SAWTOOTH C	12.1	0.08		1.0		1.0	0.9	0.1
ST. ANNE 054-05W5								
BANFF A	488.0	0.05		24.4		24.4	5.1	19.3
BANFF B	193.0	0.05		9.6		9.6	1.6	8.0
BANFF C	1 639.9	0.08		131.2		131.2	64.1	67.1
BANFF D	38.3	0.20		7.7		7.7	5.1	2.6
BANFF E	107.0	0.15		16.1		16.1	5.7	10.4
BANFF F	89.5	0.15		13.4		13.4	2.0	11.4
BANFF G	9.3	0.25		2.3		2.3	2.1	0.2
BANFF H	319.0	0.10		31.9		31.9	0.2	31.7
BANFF I	146.0	0.10		14.6		14.6	0.7	13.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
16	1.14	0.180	0.27	0.89	56	911	36	11 880	1 097.7	1982	83 03
32	1.50	0.180	0.40	0.85	64	920	33	11 635	1 094.7	1960	84 10 - SUSP 86 03
64	1.60	0.120	0.30	0.85	73	885	33	11 173	1 093.0	1984	84 12 - SUSP 84 11
16	4.00	0.200	0.34	0.90	44	994	33	12 393	1 161.0	1984	85 06 - SUSP 86 04
32	6.50	0.270	0.19	0.89	57	910	36	11 756	1 091.8	1985	85 07
96	14.10	0.260	0.35	0.96	80	915	29	4 500	689.5	1971	80 12
16	1.20	0.280	0.32	0.97	11	952	30	3 200	652.6	1985	86 12
65	3.05	0.280	0.30	0.96			29	4 860	661.4	1972	77 12 - SUSP 72 10
32	2.40	0.300	0.28	0.97	14	939	26	3 046	642.5	1975	83 02
96	7.00	0.160	0.35	0.96	16	959	29	4 000	660.6	1985	86 10
48	9.84	0.180	0.38	0.96	16	955	27	4 000	727.2	1985	86 01
16	8.00	0.175	0.42	0.96	16	955	27	4 000	657.0	1985	86 01
16	11.00	0.175	0.25	0.96	16	955	27	4 000	667.3	1985	86 01
16	8.40	0.120	0.24	0.96	16	953	26	4 100	727.8	1973	86 06
64	1.53	0.170	0.46	0.89	44	916	38	9 500	1 104.3	1978	85 12
49	1.92	0.300	0.10	0.97	9	946	24	2 648	527.9	1965	75 07 - SUSP 71 04
16	6.15	0.340	0.20	0.99	9	972	26	3 500	521.9	1977	82 12 - SUSP 83 07
48	2.56	0.300	0.16	0.99	5	965	23	3 450	570.6	1974	84 12 - GPP
32	3.70	0.290	0.17	0.99	9	999	23	4 100	591.0	1978	82 12 - GPP
32	3.45	0.290	0.17	0.99	9	980	23	4 090	589.6	1978	80 10 - GPP
16	4.60	0.300	0.15	0.99	9	970	23	4 097	590.3	1978	82 06 - SUSP 85 05
16	2.00	0.300	0.30	0.97	12	950	23	3 000	606.2	1978	86 11
224	6.25	0.290	0.20	0.98	9	989	22	3 040	641.3	1978	85 12 - GPP
32	3.05	0.270	0.35	0.86	66	887	33	10 980	952.5	1972	83 12 - SUSP 78 11
93	6.86	0.230	0.32	0.86	21	887	36	10 830	939.1	1967	73 12
32	9.40	0.200	0.42	0.90	42	925	31	8 000	920.2	1984	85 04
16	8.40	0.250	0.40	0.97	10	950	33	2 200	957.7	1985	85 10
182	5.67	0.230	0.33	0.93	29	900	32	6 400	946.5	1985	86 10
64	5.55	0.270	0.35	0.86	67	881	27	10 760	921.7	1975	84 12
16	3.96	0.200	0.35	0.86	60	887	36	10 480	925.1	1977	83 12 - SUSP 78 08
16	12.50	0.205	0.33	0.94	15	905	34	2 979	957.6	1985	86 10 - SUSP 86 10
96	9.58	0.248	0.41	0.95	15	940	34	2 979	951.8	1985	86 10
64	4.40	0.170	0.50	0.85	50	900	44	10 034	1 403.8	1984	85 11
32	2.00	0.280	0.30	0.93	28	920	30	4 047	916.0	1984	84 11 - GPP
757					21	963	28	9 140	885.7	1977	85 01
48	1.90	0.230	0.50	0.95							
709	3.24	0.280	0.30	0.95							
16	2.00	0.240	0.45	0.95	22	962	28	9 253	868.0	1980	80 08 - SUSP 80 05
16	5.00	0.330	0.45	0.95	66	866	64	8 980	862.5	1980	80 09 - SUSP 80 08
320	2.42	0.180	0.15	0.85	30	941	33	9 190	922.1	1964	84 09
64	1.84	0.170	0.26	0.90	30	940	31	9 368	916.5	1983	86 05
16	1.00	0.120	0.30	0.90	22	964	31	9 320	919.0	1981	86 12 - SUSP 86 09
32	9.80	0.190	0.09	0.90	54	919	43	13 332	1 456.6	1978	83 11
32	7.56	0.160	0.44	0.89	45	947	43	13 400	1 454.6	1981	85 12
161	11.29	0.170	0.39	0.87	54	954	43	13 393	1 442.1	1981	86 07
16	10.40	0.050	0.50	0.92	45	941	44	13 336	1 457.2	1984	85 12
16	8.20	0.140	0.33	0.87	160	954	41	13 455	1 432.2	1984	85 02
16	4.00	0.210	0.26	0.90	60	932	38	10 300	1 438.2	1985	85 06
16	1.50	0.060	0.30	0.92	45	940	44	13 418	1 466.0	1984	86 12
32	9.89	0.178	0.37	0.90	50	904	45	13 241	1 463.5	1984	85 07 - SUSP 86 04
32	5.30	0.150	0.35	0.88	50	920	45	10 867	1 452.0	1985	85 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
STANMORE 029-11W4								
UPPER MANNVILLE AA	398.0	0.10		39.8		39.8	14.8	25.0
STROME 043-16W4								
ELLERSLIE A	37.3	0.10		3.7		3.7	2.2	1.5
SUFFIELD 018-06W4								
UPPER MANNVILLE A	20 800.0	0.01		208.0		208.0	65.0	143.0
UPPER MANNVILLE C	1 660.0	0.10		166.0		166.0	83.2	82.8
UPPER MANNVILLE D	882.0	0.01		8.8		8.8	2.8	6.0
UPPER MANNVILLE F	346.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE H	1 320.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE J	40 100.0	0.01		401.0		401.0	362.1	38.9
UPPER MANNVILLE N	487.0	0.05		24.4		24.4	9.7	14.7
UPPER MANNVILLE O	137.0	0.03		4.1		4.1	0.3	3.8
UPPER MANNVILLE Q	169.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	115.0	0.05		5.8		5.8	0.8	5.0
UPPER MANNVILLE S	114.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE T	265.0	0.01		2.6		2.6	2.6	
UPPER MANNVILLE U	273.0	0.10		27.3		27.3	14.4	12.9
UPPER MANNVILLE V	229.0	0.05		11.5		11.5	2.7	8.8
UPPER MANNVILLE W	66.6	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	59.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Y	249.0	0.02		5.0		5.0	0.8	4.2
UPPER MANNVILLE Z	187.0	0.03		5.6		5.6	0.1	5.5
UPPER MANNVILLE EE	71.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE A	396.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	65.9	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	93.1	0.07		6.5		6.5	4.7	1.8
LOWER MANNVILLE D	77.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE E	104.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE G	136.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE H	67.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE I	88.1	0.03		2.6		2.6		2.6
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128.0	0.05		6.4		6.4	2.2	4.2
LOWER MANNVILLE L	156.0	0.05		7.8		7.8	1.7	6.1
LOWER MANNVILLE M	100.0	0.05		5.0		5.0	2.7	2.3
LOWER MANNVILLE N	150.0	0.06		9.0		9.0	7.7	1.3
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120.0	<0.01		0.8		0.8	0.8	
SUPERBA 026-03W4								
DETRITAL A	213.0	<0.01		0.1		0.1	0.1	
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		0.4		0.4	0.4	
COLONY A	89.8	0.03		2.7		2.7	1.3	1.4
COLONY D	129.0	<0.04		0.2		0.2	0.2	
SPARKY A	98.8	0.05		4.9		4.9	0.4	4.5
SPARKY B	64.3	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM A	148.0	0.03		4.4		4.4	1.0	3.4
GENERAL PETROLEUM B	208.0	0.05		10.4		10.4	4.8	5.6
TABER 009-17W4								
MANNVILLE A	1 140.0	0.20		228.0		228.0	209.8	18.2
MANNVILLE C	572.0	0.04		22.9		22.9	22.8	0.1
MANNVILLE D TOTAL	10 300.0			707.0	1 730.0	2 440.0	1 826.9	613.1
PRIMARY AREA	674.0	0.10		67.4		67.4		
WATER FLOOD AREA	9 600.0	<0.07	0.18	640.0	1 730.0	2 370.0		
MANNVILLE E	25.3	<0.01		0.1		0.1	0.1	
MANNVILLE F	834.0	0.06		50.0		50.0	42.8	7.2
MANNVILLE G	529.0	0.01		5.3		5.3	4.3	1.0
MANNVILLE K	406.0	0.18		73.1		73.1	39.1	34.0
MANNVILLE L	11.8	<0.01		0.1		0.1		0.1
MANNVILLE M	129.0	<0.01		0.2		0.2	0.2	
MANNVILLE N	39.6	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	84.2	0.10		8.4		8.4	1.0	7.4
TABER NORTH 011-16W4								
GLAUCONITIC A	8 000.0	0.35		2 800.0		2 800.0	680.1	2 119.9
GLAUCONITIC C	2 590.0	0.12		311.0	ERSO	311.0	151.3	159.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	1.90	0.240	0.26	0.92	28	939	35	8 336	1 035.1	1973	82 11
16	1.50	0.210	0.22	0.95	20	936	30	7 434	1 040.8	1969	84 11 - SUSP 86 05
1 684	7.32	0.250	0.25	0.90	35	986	36	11 020	939.4	1976	82 12
112	9.72	0.240	0.30	0.91	37	952	32	10 690	975.7	1976	85 12 - GPP
64	7.47	0.260	0.22	0.91	43	940	32	9 890	966.6	1977	86 11
16	11.89	0.250	0.20	0.91	35	937	28	11 120	938.2	1977	82 12 - SUSP 77 05
65	12.19	0.270	0.32	0.91	30	972	31	10 050	909.8	1977	78 03 - SUSP 78 01
2 190	10.60	0.250	0.24	0.91	27	979	28	10 410	923.6	1977	86 12 - GPP
32	8.04	0.260	0.20	0.91	30	971	32	10 000	956.8	1978	86 11
16	6.40	0.210	0.30	0.91	30	982	32	10 160	994.3	1978	79 04 - SUSP 86 03
16	6.50	0.270	0.34	0.91	43	983	30	10 400	926.8	1979	80 02 - ABAND 80 08
16	5.50	0.200	0.30	0.93	34	957	31	9 230	994.0	1980	86 07 - SUSP 86 03
16	5.20	0.250	0.40	0.91	42	982	32	10 432	894.0	1980	80 07 - SUSP 85 04
16	10.00	0.280	0.35	0.91	29	982	26	10 943	927.0	1980	86 12 - SUSP 84 07
16	10.00	0.250	0.25	0.91	37	951	21	10 569	967.5	1980	85 12
16	9.00	0.250	0.30	0.91	20	966	25	10 563	924.0	1980	80 08 - SUSP 86 03
16	2.60	0.220	0.20	0.91	44	951	30	10 233	960.3	1980	83 12 - SUSP 83 12
16	2.30	0.250	0.30	0.92	37	958	32	10 406	952.2	1980	83 12 - SUSP 80 09
32	7.30	0.180	0.35	0.91	37	925	29	10 188	962.2	1981	82 08 - SUSP 85 08
64	1.50	0.330	0.35	0.91	35	967	31	9 834	1 004.5	1976	82 10
16	4.00	0.200	0.41	0.94	37	959	35	10 721	986.2	1977	84 08 - ABAND 85 10
65	7.01	0.160	0.40	0.91	35	952	35	9 590	1 001.9	1976	76 11 - SUSP 77 06
16	2.13	0.280	0.25	0.91	34	952	33	10 180	982.0	1977	83 12 - SUSP 78 08
32	2.46	0.200	0.35	0.91	27	972	34	9 080	951.6	1977	84 12
16	3.35	0.240	0.35	0.91	32	965	32	10 780	981.5	1977	78 04 - ABAND 78 05
16	4.57	0.220	0.30	0.91	32	959	27	10 960	1 008.0	1977	83 12 - ABAND 82 01
16	7.32	0.210	0.40	0.91	47	999	25	10 110	904.0	1978	78 11 - SUSP 78 12
16	3.30	0.210	0.35	0.93	30	986	33	10 060	914.9	1978	79 05 - SUSP 78 12
16	6.10	0.190	0.50	0.95	9	995	32	10 520	892.5	1978	79 03
16	3.40	0.250	0.35	0.91	30	969	35	10 560	1 006.0	1978	79 04 - ABAND 80 04
16	5.70	0.220	0.30	0.91	45	943	45	10 600	967.0	1980	80 09 - SUSP 84 07
16	6.30	0.230	0.25	0.90	27	978	31	11 166	967.3	1979	81 03 - SUSP 80 10
32	2.08	0.330	0.50	0.91	34	951	36	10 565	997.7	1982	83 12
16	7.21	0.210	0.32	0.91	44	965	35	10 660	972.2	1978	84 08 - GPP
32	2.00	0.250	0.20	0.94	27	940	35	10 070	1 059.0	1978	83 12 - SUSP 79 08
16	8.50	0.300	0.45	0.95	18	958	34	9 135	930.2	1981	85 12 - SUSP 83 04
16	2.10	0.320	0.13	0.99	10	977	25	4 190	565.6	1978	83 12 - ABAND 83 05
16	3.00	0.270	0.30	0.99	10	985	25	4 854	502.5	1980	83 01 - GPP
16	3.20	0.300	0.15	0.99	10	999	28	5 009	518.6	1980	82 10 - ABAND 84 08
16	3.20	0.300	0.35	0.99	7	985	25	3 904	536.4	1979	83 02 - GPP
16	2.00	0.290	0.30	0.99	7	994	25	4 011	547.5	1979	84 07 - ABAND 84 01
16	4.20	0.310	0.28	0.99	9	987	27	976	571.9	1983	84 07
16	6.00	0.300	0.27	0.99	9	976	27	3 910	575.5	1980	82 05
264	3.37	0.210	0.35	0.94	23	921	33	10 270	983.0	1944	85 09 - GPP
48	8.73	0.220	0.34	0.94	20	946	38	10 760	986.0	1962	86 10 - GPP
1 268					16	940	36	10 595	973.6	1942	82 12
128	4.81	0.190	0.40	0.96							
1 140	6.20	0.209	0.33	0.97							- GPP
16	1.83	0.150	0.40	0.95	28	940	16	10 470	964.7	1974	78 11 - SUSP 78 07
120	5.42	0.210	0.35	0.94	23	921	33	10 780	983.3	1944	85 09 - GPP
142	3.10	0.200	0.36	0.94	23	946	33	10 395	995.5	1944	83 12 - GPP
100	3.32	0.200	0.35	0.94	23	921	33	10 422	993.0	1944	84 12 - GPP
16	1.00	0.150	0.49	0.96	15	955	36	9 986	972.5	1984	85 06 - SUSP 85 08
32	4.80	0.175	0.50	0.96	15	930	36	4 603	1 003.3	1985	85 10 - SUSP 85 12
16	2.30	0.170	0.34	0.96	15	928	36	4 603	956.9	1985	86 04 - SUSP 86 03
64	1.00	0.200	0.30	0.94	17	947	29	11 177	977.5	1983	84 05 - SUSP 86 03
386	11.70	0.240	0.21	0.93	58	879	30	10 650	948.5	1979	84 09
344	6.08	0.190	0.25	0.87	57	894	30	11 382	979.1	1980	85 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
TABER NORTH 011-16W4 (CONTINUED)								
GLAUCONITIC D	35.3	0.10		3.5		3.5	1.0	2.5
GLAUCONITIC E	1 940.0	0.20		388.0		388.0	83.3	304.7
GLAUCONITIC H	234.0	0.10		23.4		23.4	4.1	19.3
TABER A	1 950.0	0.12		235.0		235.0	188.1	46.9
TABER B	556.0	0.10		55.6		55.6	39.9	15.7
TABER C	2 490.0	0.10		249.0		249.0	184.1	64.9
TABER D	2 000.0	0.15		300.0		300.0	200.0	100.0
TABER E	344.0	0.10		34.4		34.4	23.4	11.0
TABER I	115.0	0.15		17.3		17.3	9.1	8.2
TABER J	229.0	0.10		22.9		22.9	0.2	22.7
TABER K	803.0	0.10		80.3		80.3	78.1	2.2
TABER L	98.8	0.10		9.9		9.9	0.7	9.2
TABER M	158.0	0.10		15.8		15.8	0.1	15.7
TABER O	540.0	0.10		54.0		54.0	37.7	16.3
SAWTOOTH A	48.4	0.10		4.8		4.8	0.5	4.3
TABER SOUTH 007-16W4								
MANNVILLE A TOTAL	9 270.0			458.0	912.0	1 370.0	949.0	421.0
PRIMARY AREA	149.0	0.01		1.5		1.5		
WATER FLOOD AREA	9 120.0	0.05	0.10	456.0	912.0	1 370.0		
MANNVILLE B TOTAL	7 160.0			483.0	1 470.0	1 950.0	1 894.1	55.9
PRIMARY AREA	756.0	0.04		30.2		30.2		
WATER FLOOD AREA	6 400.0	0.07	0.23	453.0	1 470.0	1 920.0		
MANNVILLE C	281.0	<0.01		0.6		0.6	0.6	
MANNVILLE D	389.0	0.05		19.5		19.5	8.4	11.1
MANNVILLE E	247.0	0.03		7.4		7.4	3.0	4.4
MANNVILLE F	446.0	0.05		22.3		22.3	17.6	4.7
MANNVILLE G	164.0	0.05		8.2		8.2	4.8	3.4
MANNVILLE H	66.0	0.10		6.6		6.6	0.5	6.1
MANNVILLE I	43.0	0.10		4.3		4.3	3.9	0.4
MANNVILLE J	106.0	0.05		5.3		5.3		5.3
GLAUCONITIC A	237.0	0.05		11.9		11.9	1.9	10.0
GLAUCONITIC B	51.6	0.05		2.6		2.6	0.6	2.0
TABER SOUTH-EAST 008-15W4								
MANNVILLE A	1 460.0	0.15		219.0		219.0	175.4	43.6
MANNVILLE C	173.0	0.10		17.3		17.3	14.4	2.9
MANNVILLE D	680.0	0.08		54.4		54.4	40.6	13.8
MANNVILLE E	152.0	0.08		12.2		12.2	10.3	1.9
TURIN 010-18W4								
FISH SCALE B	99.0	0.03		3.0		3.0	1.2	1.8
UPPER MANNVILLE C	2 060.0	0.15		309.0		309.0	205.8	103.2
UPPER MANNVILLE J	832.0	0.10		83.2		83.2	28.8	54.4
LOWER MANNVILLE E	520.0	0.15		78.0		78.0	61.0	17.0
LOWER MANNVILLE L	1 670.0	0.15		250.0		250.0	183.9	66.1
LOWER MANNVILLE M	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	82.2	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE P	41.8	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE T	109.0	0.05		5.5		5.5	3.3	2.2
LOWER MANNVILLE X	80.7	0.10		8.1		8.1	4.6	3.5
LOWER MANNVILLE BB	96.8	0.10		9.7		9.7	0.6	9.1
LOWER MANNVILLE NN	276.0	0.10		27.6		27.6	5.4	22.2
LOWER MANNVILLE TT	470.0	0.15		70.0		70.0	42.2	27.8
VERGER 022-15W4								
MANNVILLE A	78.2	<0.01		0.3		0.3	0.3	
MANNVILLE D	2 180.0	<0.01		4.7		4.7	4.7	
MANNVILLE F	149.0	0.10		14.9		14.9	2.4	12.5
UPPER MANNVILLE C	4 130.0	0.01		41.3		41.3	17.4	23.9
VERMILION 050-05W4								
SPARKY A	7 710.0	<0.09		637.0		637.0	517.8	119.2
VIKING-KINSELLA 047-11W4								
UPPER MANNVILLE B	289.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	77.0	0.05		3.9		3.9	3.6	0.3
UPPER MANNVILLE K	100.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	764.0	<0.01		1.3		1.3	1.3	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	4.80	0.100	0.50	0.92	36	937	32	7 429	974.5	1981	83 12
184	5.78	0.240	0.20	0.95	17	899	29	10 765	951.0	1978	86 01
32	5.50	0.200	0.30	0.95	17	899	29	10 096	959.7	1984	86 01
713	2.77	0.210	0.50	0.94	32	887	29	11 030	979.3	1966	70 08 - GPP
184	2.59	0.200	0.38	0.94	16	887	31	11 290	970.8	1967	84 12 - GPP
267	7.62	0.200	0.35	0.94	22	940	37	11 110	991.5	1974	86 12 - GPP
365	5.27	0.170	0.35	0.94	21	940	32	11 100	997.0	1976	83 12 - GPP
48	6.90	0.160	0.31	0.94	27	940	32	10 810	988.3	1977	80 04 - GPP
32	5.00	0.150	0.49	0.94	25	940	32	10 704	967.3	1981	85 12 - GPP
64	3.20	0.170	0.30	0.94	20	884	33	10 582	977.4	1982	83 06 - SUSP 84 10
192	3.97	0.190	0.41	0.94	15	896	54	10 407	965.9	1983	86 02
32	2.50	0.180	0.27	0.94	25	924	35	10 613	981.9	1983	83 11 - SUSP 84 07
64	3.60	0.140	0.48	0.94	15	893	54	10 758	981.2	1983	84 05 - SUSP 84 07
128	6.01	0.150	0.48	0.90	38	934	70	10 045	975.6	1983	86 05
16	2.20	0.230	0.35	0.92	35	895	29	10 560	992.6	1980	85 04
1 107					7	946	35	10 000	993.0	1963	82 12
16	8.00	0.200	0.40	0.97							
1 091	7.01	0.205	0.40	0.97							- GPP
518					16	940	41	9 890	984.8	1963	81 12
98	3.52	0.259	0.10	0.94							
420	6.95	0.259	0.10	0.94							- GPP
65	3.05	0.200	0.25	0.95	16	940	38	9 960	976.6	1965	67 11 - ABAND 67 06
92	2.59	0.220	0.21	0.94	46	898	31	10 032	979.5	1965	86 09
32	6.25	0.180	0.30	0.98	21	930	32	10 260	994.3	1978	83 02 - SUSP 86 01
48	8.00	0.190	0.37	0.97	6	939	32	9 364	1 004.1	1979	80 09
16	7.60	0.189	0.27	0.98	21	947	32	9 562	986.6	1983	84 03
32	3.00	0.156	0.55	0.98	6	920	32	9 775	978.4	1984	84 06
16	2.80	0.170	0.40	0.94	27	939	28	10 805	1 001.8	1984	85 12
16	5.50	0.180	0.32	0.98	15	930	34	4 500	997.3	1984	85 05 - SUSP 86 01
16	16.80	0.160	0.42	0.95	17	899	29	9 516	975.3	1983	83 12
16	2.70	0.160	0.23	0.97	15	935	33	9 937	983.4	1984	85 05
380	3.41	0.200	0.40	0.94	16	915	29	10 070	972.6	1963	85 12 - GPP
32	6.10	0.170	0.46	0.96	16	934	36	9 780	949.2	1973	78 10
351	1.80	0.200	0.44	0.96	10	915	32	10 140	963.5	1974	85 07
64	2.98	0.184	0.55	0.96	10	915	32	9 623	969.3	1977	85 07
65	1.22	0.220	0.40	0.95	20	881	27	4 870	684.6	1975	76 02 - SUSP 82 11
280	4.62	0.240	0.21	0.84	72	881	32	11 220	1 000.7	1974	83 10
200	5.40	0.160	0.44	0.86	68	831	31	10 806	981.1	1982	85 12
65	7.92	0.190	0.40	0.89	65	904	32	12 100	1 101.5	1974	83 12
429	3.70	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP
65	3.96	0.180	0.50	0.94	25	940	32	10 480	1 025.7	1974	82 12 - SUSP 74 11
32	2.44	0.180	0.35	0.89	53	921	32	11 135	1 008.6	1975	78 07 - SUSP 78 02
32	2.50	0.100	0.45	0.95	21	930	33	11 290	1 037.0	1977	83 12 - SUSP 79 09
32	3.30	0.180	0.35	0.88	55	917	33	10 780	1 066.1	1979	85 05
128	0.75	0.130	0.28	0.90	38	889	32	11 082	1 007.3	1981	83 05
16	3.70	0.210	0.18	0.95	20	956	33	10 924	1 000.2	1981	81 07 - SUSP 85 06
64	2.75	0.240	0.23	0.85	86	17	35	11 107	1 092.3	1984	85 05
161	2.77	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP
16	4.00	0.200	0.35	0.94	19	960	40	10 378	1 062.9	1974	83 12 - ABAND 83 10
1 502	2.56	0.180	0.65	0.90	41	915	46	10 400	1 062.8	1971	82 12 - SUSP 80 06
64	1.50	0.260	0.33	0.89	45	892	38	9 961	1 170.3	1980	85 04
1 079	3.66	0.198	0.40	0.88	57	881	36	10 130	983.6	1971	74 12
1 325	2.71	0.280	0.20	0.96	11	965	27	3 585	560.8	1939	86 12 - GPP
65	2.13	0.290	0.23	0.94	21	927	34	4 830	717.5	1975	82 12 - SUSP 75 06
16	3.35	0.250	0.40	0.96	18	946	28	4 680	688.2	1975	82 12 - GPP
65	0.91	0.290	0.39	0.96	19	952	29	5 360	765.7	1975	77 03 - SUSP 76 12
64	7.70	0.300	0.45	0.94	21	927	31	6 510	752.2	1972	77 12 - SUSP 79 12

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIKING-KINSELLA 047-11W4 (CONTINUED)								
UPPER MANNVILLE X	39.8	0.02		0.8		0.8		0.8
UPPER MANNVILLE CC	75.2	0.05		3.8		3.8	1.2	2.6
UPPER MANNVILLE OO	146.0	0.05		7.3		7.3	0.4	6.9
UPPER MANNVILLE CCC	469.0	0.05		23.5		23.5	3.0	20.5
COLONY YY	127.0	0.05		6.4		6.4	0.1	6.3
COLONY ZZ	82.6	0.05		4.1		4.1	0.5	3.6
WAINWRIGHT B TOTAL	22 630.0			904.2	3 665.0	4 570.0	3 678.2	891.8
PRIMARY AREA	2 265.0	0.04		90.6		90.6		
WATER FLOOD AREA	20 360.0	0.04	0.18	813.6	3 665.0	4 479.0		
WAINWRIGHT D	1 020.0	0.05		51.0		51.0	2.3	48.7
WAINWRIGHT E	78.7	0.03		2.4		2.4	0.8	1.6
WAINWRIGHT H	136.0	<0.01		0.7		0.7	0.7	
WAINWRIGHT I	76.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE K	92.5	<0.01		0.2		0.2	0.2	
WAINWRIGHT 045-06W4								
VIKING,COLONY GRVW&EE	137.0	0.07		9.6		9.6	4.4	5.2
COLONY P	63.0	0.07		4.4		4.4	2.7	1.7
COLONY CC	577.0	0.06		34.6		34.6	24.1	10.5
COLONY MM	37.7	0.05		1.9		1.9	0.1	1.8
COLONY NN	21.2	0.05		1.1		1.1	0.1	1.0
SPARKY B	439.0	0.03		13.2		13.2	10.3	2.9
SPARKY C	327.0	0.03		9.8		9.8	[illegible]	8.8
SPARKY F	91.2	0.05		4.6		4.6	1.3	3.3
SPARKY G	99.0	0.05		5.0		5.0	3.1	1.9
SPARKY H	50.2	0.05		2.5		2.5		2.5
SPARKY J TOTAL	248.0			14.9	14.2	29.1	28.4	0.7
PRIMARY AREA	106.0	0.06		6.4		6.4		
WATER FLOOD AREA	142.0	0.06	0.10	8.5	14.2	22.7		
SPARKY K	31.2	0.05		1.6		1.6	0.9	0.7
SPARKY L	31.0	0.05		1.6		1.6	0.6	1.0
SPARKY M	160.0	0.03		4.8		4.8	0.8	4.0
SPARKY N	46.2	0.03		1.4		1.4		1.4
SPARKY O	51.2	0.03		1.5		1.5		1.5
SPARKY P	44.2	<0.01		0.3		0.3	0.3	
SPARKY R	34.8	0.03		1.0		1.0		1.0
SPARKY U	24.7	0.05		1.2		1.2	0.1	1.1
SPARKY W	39.5	0.05		2.0		2.0		2.0
SPARKY X	40.0	0.05		2.0		2.0	0.2	1.8
SPARKY Y	26.1	0.05		1.3		1.3	0.1	1.2
SPARKY Z	15.4	0.15		2.3		2.3		2.3
WAINWRIGHT B TOTAL	3 740.0			187.0	384.0	571.0	73.7	497.3
PRIMARY AREA	1 340.0	0.05		67.0		67.0		
WATER FLOOD AREA	2 400.0	0.05	0.16	120.0	384.0	504.0		
WAINWRIGHT C TOTAL	2 100.0			126.0	55.5	182.0	72.6	109.4
PRIMARY AREA	1 730.0	0.06		104.0		104.0		
WATER FLOOD AREA	370.0	0.06	0.15	22.2	55.5	77.7		
WAINWRIGHT & SPARKY A TOTAL	43 780.0			3 004.0	9 531.0	12 540.0	9 506.3	3 033.7
PRIMARY AREA	8 110.0	<0.06		485.0		485.0		
WATER FLOOD AREA	35 670.0	<0.07	0.27	2 519.0	9 531.0	12 050.0		
GENERAL PETROLEUM B	658.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER A	107.0	0.10		10.8		10.8	8.6	2.2
LLOYDMINSTER B	510.0	<0.01		4.0		4.0	4.0	
LLOYDMINSTER C	88.9	<0.01		0.1		0.1		0.1
DETRITAL B	49.4	0.10		4.9		4.9		4.9
NISKU A	3 856.0	0.05		193.0		193.0	91.4	101.6
NISKU E	29.8	0.05		1.5		1.5	0.8	0.7
NISKU F	19.4	0.05		1.0		1.0	0.1	0.9
CAMROSE A	694.0	0.10		69.4		69.4	20.4	49.0
CAMROSE C	41.9	0.10		4.2		4.2	0.1	4.1
WARWICK 052-14W4								
UPPER MANNVILLE J	726.0	0.05		36.3		36.3	23.6	12.7
UPPER MANNVILLE V	38.8	<0.01		0.1		0.1		0.1
WILDMERE 048-05W4								
UPPER MANNVILLE A	69.8	0.05		3.5		3.5	1.8	1.7
COLONY I	338.0	0.05		16.9		16.9	3.9	13.0
COLONY U	151.0	0.05		7.6		7.6	0.1	7.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	1.50	0.270	0.36	0.96	18	970	29	5 680	744.2	1978	79 04
16	2.40	0.300	0.32	0.96	10	939	33	5 210	733.0	1979	80 07 - SUSP 85 01
16	5.40	0.280	0.37	0.96	17	949	30	5 401	746.0	1980	81 12 - SUSP 86 03
192	1.87	0.233	0.34	0.85	64	864	33	4 927	765.3	1982	84 01 - GPP
64	1.30	0.320	0.50	0.95	21	946	28	4 817	652.7	1981	85 02
16	2.40	0.320	0.30	0.96	17	964	25	4 400	620.7	1976	85 08
3 317					15	927	27	4 840	653.2	1973	86 08
608	1.93	0.300	0.33	0.96							
2 709	3.89	0.300	0.33	0.96							- GPP
156	3.46	0.290	0.32	0.96	17	965	28	5 240	687.0	1976	78 12
16	2.44	0.280	0.25	0.96	17	965	27	5 050	672.7	1976	83 12
32	2.21	0.300	0.34	0.97	15	958	27	4 980	688.1	1978	83 12 - SUSP 80 12
16	2.20	0.310	0.27	0.96	10	956	34	4 970	740.9	1978	82 12 - SUSP 80 02
16	2.70	0.300	0.17	0.86	70	996	31	5 610	843.1	1977	83 12 - SUSP 83 12
32	1.95	0.330	0.30	0.95	20	946	30	5 507	605.3	1975	83 04
16	1.83	0.310	0.27	0.95	15	946	27	3 990	626.7	1972	85 12 - GPP
80	3.54	0.300	0.30	0.97	16	955	31	4 340	594.7	1973	86 01 - GPP
16	1.70	0.280	0.50	0.99	12	947	25	4 444	644.1	1984	85 08
16	1.00	0.250	0.43	0.93	29	980	28	7 500	591.9	1982	85 09
48	7.42	0.250	0.47	0.93	14	959	27	4 340	645.0	1967	82 12 - GPP
65	2.13	0.330	0.25	0.96	16	959	31	4 343	657.0	1976	77 12
32	2.30	0.240	0.40	0.93	15	921	27	3 850	639.7	1978	79 11
32	2.00	0.260	0.38	0.96	16	945	25	4 510	635.5	1978	81 12 - GPP
16	3.00	0.220	0.50	0.95	23	950	28	4 519	627.6	1980	80 09 - SUSP 83 07
120					14	960	30	4 547	657.9	1981	86 12
56	1.20	0.270	0.37	0.93							
64	1.40	0.270	0.37	0.93							- GPP
8	2.50	0.250	0.33	0.93	32	904	30	4 340	615.8	1981	82 04
8	2.30	0.270	0.35	0.96	16	921	33	4 816	614.4	1982	83 08
32	3.00	0.290	0.40	0.96	16	920	33	4 298	714.5	1982	83 12
16	2.70	0.230	0.50	0.93	14	960	25	4 324	648.2	1983	84 09
16	2.50	0.250	0.45	0.93	14	960	23	3 981	626.3	1984	84 09 - SUSP 85 07
16	2.00	0.270	0.45	0.93	14	960	27	4 417	627.5	1984	84 09 - ABAND 85 08
16	1.70	0.250	0.45	0.93	20	960	25	3 252	630.3	1984	84 11 - SUSP 85 07
16	1.20	0.260	0.48	0.95	12	960	23	3 904	652.0	1984	85 03
16	1.60	0.280	0.42	0.95	21	980	28	5 600	634.4	1985	85 09
16	1.70	0.280	0.44	0.94	12	939	26	4 137	614.1	1985	86 01
16	1.30	0.270	0.50	0.93	12	924	26	4 400	680.8	1985	86 04 - SUSP 86 07
16	0.71	0.260	0.44	0.93	12	930	25	4 200	634.9	1985	86 04
704					14	904	27	3 100	662.8	1975	86 11
96	3.29	0.270	0.41	0.96							
414	3.63	0.270	0.45	0.96							
363					15	921	27	4 770	690.2	1926	85 07
305	3.55	0.260	0.34	0.93							
58	4.00	0.260	0.34	0.93							
6 507					15	921	27	4 830	639.5	1925	86 12
1 354	3.11	0.300	0.32	0.93							
5 153	3.26	0.313	0.27	0.93							- GPP
65	5.18	0.310	0.32	0.93	24	904	23	4 450	638.6	1975	76 07 - ABAND 76 02
8	7.92	0.300	0.40	0.93	14	921	28	4 310	654.4	1968	69 02 - GPP
64	3.39	0.330	0.25	0.95	32	959	28	4 480	679.7	1974	83 12 - ABAND 83 03
16	3.00	0.300	0.35	0.95	21	952	28	6 400	663.8	1981	82 05 - ABAND 81 12
16	1.80	0.330	0.35	0.80	90	855	29	11 000	687.6	1984	86 03
528	6.58	0.170	0.32	0.96	14	957	24	3 493	641.5	1982	86 08
16	4.90	0.090	0.56	0.96	15	953	25	4 600	664.8	1985	86 06
16	3.00	0.100	0.58	0.96	15	953	24	4 600	656.9	1985	86 06
156	3.84	0.180	0.33	0.96	31	955	29	4 350	655.8	1984	86 01
64	0.70	0.180	0.35	0.80	11	955	29	4 500	690.3	1989	84 12
128	3.42	0.275	0.33	0.90	22	910	29	5 670	652.6	1971	79 12
16	1.52	0.270	0.40	0.97	11	927	29	5 210	584.9	1977	79 12 - ABAND 78 10
16	1.83	0.320	0.24	0.97	15	952	21	4 140	595.0	1975	85 12 - SUSP 86 09
48	2.95	0.330	0.27	0.99	8	977	22	3 940	574.3	1980	83 06 - GPP
16	4.30	0.320	0.30	0.98	15	970	22	3 500	560.6	1974	85 06 - SUSP 86 03

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WILDMERE 048-05W4 (CONTINUED)								
SPARKY B	4 080.0	0.06		245.0		245.0	154.8	90.2
SPARKY G	164.0	0.05		8.2		8.2	3.2	5.0
SPARKY H	200.0	0.05		10.0		10.0	4.2	5.8
SPARKY I	40.2	0.03		1.2		1.2	0.1	1.1
SPARKY M	65.5	0.05		3.3		3.3	0.1	3.2
SPARKY N	10 800.0	0.05		540.0		540.0	40.9	499.1
SPARKY O	733.0	0.05		36.7		36.7	2.5	34.2
SPARKY P	37.8	0.05		1.9		1.9		1.9
SPARKY Q	115.0	0.03		3.5		3.5		3.5
SPARKY R & GENERAL PETROLEUM C	119.0	<0.01		0.1		0.1	0.1	
SPARKY J & GENERAL PETROLEUM B	611.0	0.02		12.2		12.2	1.6	10.6
GENERAL PETROLEUM A	400.0	0.05		20.0		20.0	10.8	9.2
LLOYDMINSTER B	217.0	0.05		10.9		10.9	1.4	9.5
LLOYDMINSTER C	2 050.0	0.03		61.5		61.5	25.0	36.5
LLOYDMINSTER D	401.0	0.02		8.0		8.0	3.2	4.8
LLOYDMINSTER E	140.0	0.05		7.0		7.0	1.6	5.4
LLOYDMINSTER F	190.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER G	143.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER H	133.0	0.05		6.7		6.7	0.2	6.5
LLOYDMINSTER I	97.0	0.05		4.9		4.9	1.4	3.5
LLOYDMINSTER K	184.0	0.03		5.5		5.5	0	5.3
LLOYDMINSTER L	169.0	0.05		8.5		8.5	1.8	6.7
LLOYDMINSTER M	177.0	0.05		8.9		8.9	1.0	7.9
LLOYDMINSTER N	216.0	0.05		10.8		10.8	0.8	10.0
LLOYDMINSTER O	936.0	0.05		46.8		46.8	4.0	42.8
LLOYDMINSTER P	907.0	0.03		27.2		27.2	2.9	24.3
LLOYDMINSTER Q	242.0	0.05		12.1		12.1	1.2	10.9
LLOYDMINSTER R	100.0	0.05		5.0		5.0	0.4	4.6
LLOYDMINSTER V	1 600.0	0.05		80.0		80.0	3.4	76.6
LLOYDMINSTER A & SPARKY E TOTAL	39 100.0			1 950.0	960.0	2 910.0	1 583.2	1 326.8
PRIMARY AREA	27 100.0	0.05		1 350.0		1 350.0		
WATER FLOOD AREA	12 000.0	0.05	0.08	600.0	960.0	1 560.0		
WRENTHAM 006-16W4								
GLAUCONITIC A	67.4	0.07		4.7		4.7	3.5	1.2
GLAUCONITIC B	229.0	0.10		22.9		22.9	7.2	15.7
LOWER MANNVILLE A	333.0	<0.01		0.4		0.4	0.1	0.3
LOWER MANNVILLE B TOTAL	1 290.0			106.0	142.0	247.0	200.8	46.2
PRIMARY AREA	113.0	0.10		11.3		11.3		
WATER FLOOD	1 180.0	0.08	0.12	94.4	142.0	236.0		
LOWER MANNVILLE C TOTAL	2 053.0			206.0	85.3	291.0	208.0	83.0
PRIMARY AREA	1 200.0	0.10		120.0		120.0		
WATER FLOOD AREA	853.0	0.10	0.10	86.0	85.3	171.0		
LOWER MANNVILLE E	554.0	0.07		38.8		38.8	22.9	15.9
LOWER MANNVILLE F	855.0	0.05		42.8		42.8	14.6	28.2
LOWER MANNVILLE G	384.0	0.05		19.2		19.2	15.8	3.4
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	8.6	2.8
UNDEFINED AND CONFIDENTIAL POOLS	33 636.4			1 523.0		1 523.0	227.8	1 304.2
TOTAL HEAVY CRUDE OIL	1 250 009.5			89 499.0	47 014.8	136 542.1	87 627.0	48 924.1
PROVINCIAL TOTAL OF LIGHT-MEDIUM AND HEAVY CRUDE OIL	7 765 025.2			1 499 071.4	662 764.7	2 161 977.9	1 527 696.9	634 738.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
597	2.59	0.320	0.15	0.97	15	959	32	6 900	607.7	1965	86 12 - GPP
64	1.75	0.280	0.46	0.97	14	939	26	5 874	600.0	1979	81 02
73	1.60	0.290	0.39	0.97	10	953	25	3 216	549.7	1979	85 12 - GPP
16	1.20	0.300	0.28	0.97	10	958	25	3 210	548.7	1980	81 05
16	2.20	0.320	0.40	0.97	12	984	25	5 874	586.9	1981	82 05 - SUSP 84 05
913	5.39	0.310	0.27	0.97	14	966	23	4 600	565.3	1982	86 03
112	3.06	0.300	0.28	0.99	10	973	28	4 840	657.8	1983	84 08
16	1.80	0.260	0.48	0.97	13	981	21	5 523	561.4	1977	84 08
16	3.20	0.310	0.25	0.97	25	980	25	4 512	633.4	1984	84 08
32	2.00	0.360	0.35	0.97	11	982	29	4 400	622.3	1981	84 12 - SUSP 85 03
163	1.87	0.300	0.31	0.97	13	950	25	4 376	590.2	1979	86 05 - SUSP 86 06
64	2.98	0.300	0.28	0.97	11	935	29	4 400	625.1	1977	85 12
16	5.48	0.310	0.19	0.99	9	965	26	3 790	591.6	1973	85 04
208	4.52	0.290	0.24	0.99	9	993	27	4 740	646.5	1978	84 12 - GPP
32	4.92	0.310	0.17	0.99	9	997	25	4 570	686.1	1978	84 12 - GPP
16	4.20	0.280	0.25	0.99	12	997	24	4 760	648.9	1980	82 04 - GPP
16	5.00	0.300	0.20	0.99	9	990	25	4 440	672.5	1981	82 05 - SUSP 84 11
16	4.00	0.300	0.25	0.99	9	984	25	4 460	631.3	1981	82 07 - ABAND 85 06
16	4.00	0.270	0.22	0.99	9	996	29	4 495	684.0	1981	82 10 - SUSP 83 09
16	3.50	0.250	0.30	0.99	9	988	23	4 570	650.3	1982	82 10 - SUSP 86 09
16	5.70	0.280	0.25	0.96	38	952	24	4 616	701.7	1983	83 11 - SUSP 85 03
16	5.00	0.290	0.25	0.97	16	983	26	5 075	652.6	1983	84 02
16	5.50	0.290	0.30	0.99	27	979	25	4 760	643.5	1982	83 04 - SUSP 86 09
16	5.80	0.300	0.20	0.97	16	932	26	4 755	644.8	1982	83 05 - SUSP 86 09
64	6.84	0.290	0.24	0.97	16	986	26	4 765	651.3	1983	86 02
64	6.04	0.300	0.21	0.99	16	980	26	4 860	654.4	1984	85 06
16	6.50	0.300	0.20	0.97	16	986	26	4 560	646.6	1983	84 11
16	4.00	0.270	0.40	0.97	16	986	26	4 701	651.0	1984	84 11 - SUSP 86 09
112	6.25	0.310	0.24	0.97	16	969	26	4 960	669.5	1985	85 12
2 517					10	946	26	4 765	618.6	1966	81 02 - GPP
1 893	5.99	0.320	0.23	0.97							
624	8.05	0.320	0.23	0.97							
16	3.07	0.200	0.27	0.94	22	934	37	5 730	994.0	1976	85 12
48	4.16	0.200	0.39	0.94	22	930	34	9 603	979.2	1982	84 09
32	8.70	0.190	0.33	0.94	10	934	36	9 629	977.5	1967	82 12 - SUSP 83 10
94					10	934	31	9 630	945.5	1967	86 04
16	4.81	0.200	0.25	0.98							
78	10.47	0.220	0.33	0.98							- GPP
386					10	934	31	9 550	941.2	1967	86 12 - GPP
225	3.95	0.200	0.31	0.98							86 12 - GPP - MRL
161	3.66	0.220	0.33	0.98							
96	5.07	0.170	0.31	0.97	10	937	30	9 050	952.6	1979	85 12
144	5.89	0.180	0.41	0.95	10	935	30	9 567	1 002.4	1979	86 01
80	4.85	0.200	0.49	0.97	10	935	30	9 463	970.4	1985	85 09
16	4.62	0.210	0.25	0.98	10	934	31	9 630	974.3	1978	86 04

3 RESERVES OF CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

3.1 INITIAL IN-PLACE VOLUMES OF CRUDE BITUMEN

Alberta's massive crude bitumen reserves are contained in sand and carbonate sedimentary formations in the Athabasca, Cold Lake, and Peace River oil sands areas. Oil Sands Area Orders (OSA Orders) outline the general areal extent of crude bitumen occurrence and Oil Sands Deposit Orders (OSD Orders) outline the specific geological zones which have been declared as oil sands deposits.

Initial in-place volumes of crude bitumen in each deposit were estimated for this report using drillhole data available to the end of 1986. The crude bitumen within the Cretaceous sands was determined using a minimum saturation cut-off of 3 mass per cent crude bitumen, a minimum saturated zone thickness of 1.5 metres, and a "building block" approach to identify the in-place volume. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block.

The crude bitumen in-place volumes in the carbonate deposits were determined on the basis of isopach mapping rather than the building-block method. A minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs in this evaluation.

The total initial volumes of crude bitumen in place for the designated deposits at 31 December 1986 were estimated at 268 billion cubic metres and the details for each deposit are presented in Table 3-1.

3.2 SURFACE-MINEABLE CRUDE BITUMEN AND SYNTHETIC CRUDE OIL RESERVES

The initial mineable volume of in-place reserves of crude bitumen for the surface-mineable area was determined using isopach net pay maps of that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject thicknesses generally do not exceed 75 metres.

Potentially mineable areas were identified by economic stripping ratio criteria, a minimum saturation cut-off of 5 mass per cent crude bitumen, and a minimum saturated zone thickness of 1.5 metres. The economic stripping ratio criteria are fully explained in Appendix III of ERCB Report 79-H[1]. The Board is currently revising the economic stripping ratio criteria to reflect recent cost and price information and will apply the updated criteria for the 1987 year-end reserves report. Also, the existing manual method of determining reserves will be replaced by computerized techniques.

The initial mineable volume in place of crude bitumen within the potentially mineable areas was established to be 11.9 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard dumps), environmental protection corridors along major rivers, and isolated mineable areas, and assuming a combined mining/extraction recovery factor of 0.79, the resulting initial established mineable reserve of crude bitumen is estimated to be 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

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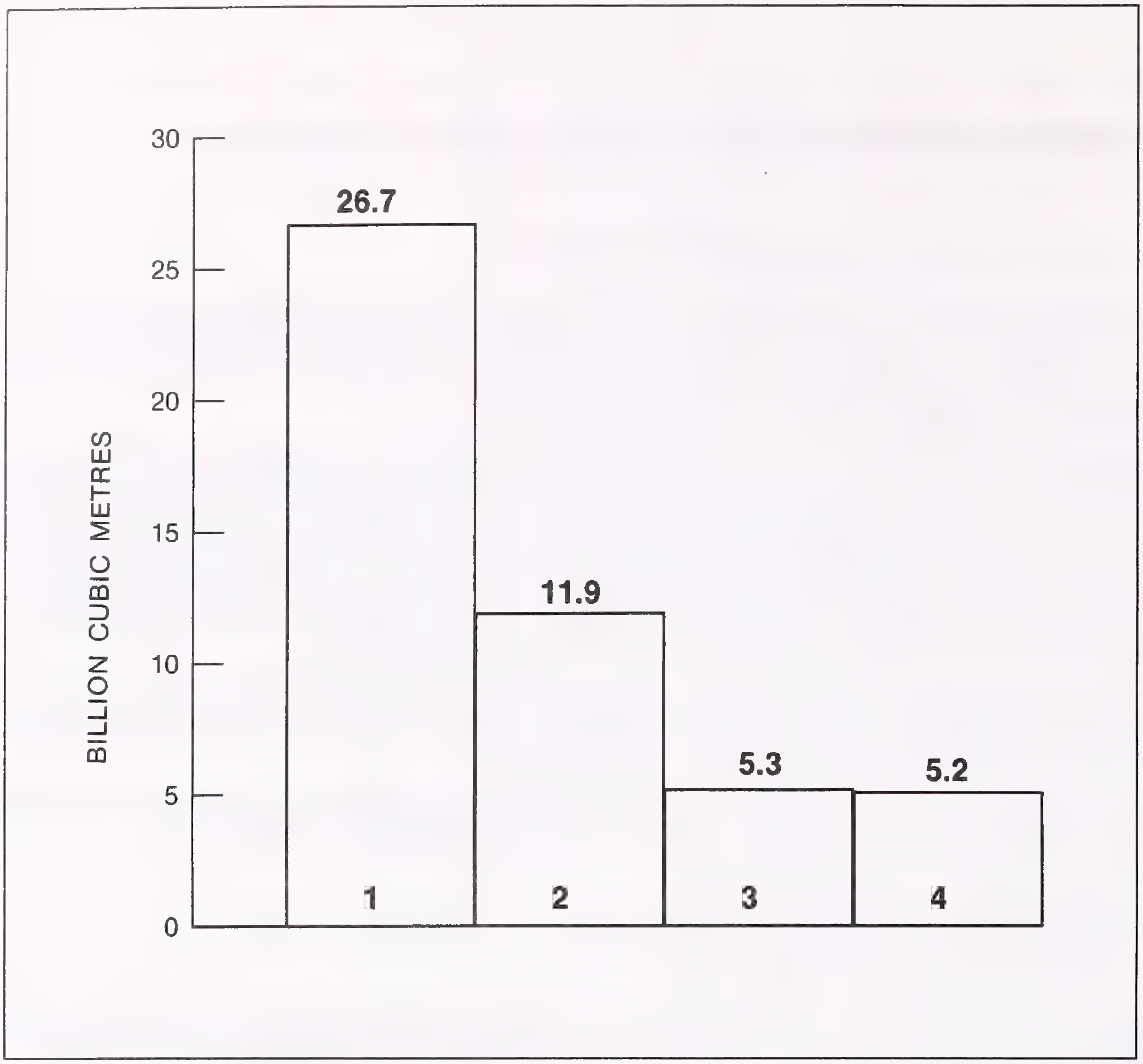
[1] Energy Resources Conservation Board, 1979. Alsand Fort McMurray Project. ERCB Report 79-H. Calgary, Alberta.



1. INITIAL VOLUME IN-PLACE. Gross volume of crude bitumen established to exist within the surface mineable boundary.
2. INITIAL MINEABLE VOLUME IN-PLACE. Volume of crude bitumen calculated using minimum saturation and thickness criteria, and based upon the application of economic stripping - ratio criteria within the surface mineable boundary.
3. INITIAL ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 2, but excluding mining, extraction, and isolated ore losses, and areas unavailable due to placement of mine surface facilities and environmental buffer zones.
4. REMAINING ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 3, less cumulative production.

FIGURE 3-1 CRUDE BITUMEN RESERVE CATEGORIES WITHIN THE SURFACE-MINEABLE BOUNDARY

Only a small portion of the initial established mineable reserves is being actively developed. The surface mining projects of Suncor and Syncrude are currently the only schemes under active development and the estimated established mineable crude bitumen reserves for those projects as at 31 December 1986 are shown below. The table reflects several changes from 1985 of which two are major. The initial in-place mineable volume now includes the gross volumes within the project approval area that would be economically mineable if restrictions such as plant sites, tailings ponds, and discard dumps were not present. Secondly, for the Syncrude Capacity Addition Project (CAP), large mine areas were added on the northwest and west sides to the original 25-year mine area. The combined expanded mine area leads to a 66 per cent increase in initial mineable reserves and will allow the CAP-expanded project to operate at full capacity until the year 2013.

Development	**Project Area**[a]	**Initial Mineable Volume in Place**[b]	**Initial Established Mineable Reserve**[b]	**Cumulative Production**	**Remaining Established Mineable Reserve**
	ha	10^6m^3			
Suncor	3 030	216	168	63	105
Syncrude	11 860	807	476	57	419
Total	14 890	1 023	644	120	524

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[a] The project areas correspond to the areas defined by the scheme approval and include mineable and other disturbed areas.

[b] Definitions are given in Figure 3-1.

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology used, the use made of any residual materials produced, and the degree to which off-site energy sources are used. Having regard for developments now approved and under construction which provide for improvements to currently employed technology, the Board has adopted a synthetic crude oil yield factor of 0.80. Using the 0.80 yield factor, initial established reserves of synthetic crude oil from the 5.3 billion cubic metres of crude bitumen in the surface mineable area are estimated at 4.2 billion cubic metres.

3.3 IN SITU CRUDE BITUMEN RESERVES

The Board has assigned initial volumes in place and initial and remaining established reserves for commercial projects and active experimental schemes where all or a portion of the wells have been drilled and completed. In this reserves report only an aggregate reserve is shown for all active experimental schemes. Also, an aggregate reserve is shown for all projects within a given oil sands deposit and area for commercial schemes.

For commercial projects where the crude bitumen can only be recovered by the application of some form of thermal energy, only the areas actually developed for thermal recovery have been included in the established reserves notwithstanding the size of the approved project areas. The initial volume in place for developed areas in each project was based on the assigned drainage areas and had regard for the spacing of the individual wells or well clusters. Established reserves were then determined for the currently approved recovery mechanism. It should be noted that future experimentation and technological improvements may result in higher recovery of crude bitumen. For those projects with a primary recovery component[2], the in-place volume was based on the assumed full development of all project lands not currently developed for thermal recovery. It was further assumed that the full primary area would be developed on one legal subdivision well spacing.

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[2] For the general Lindbergh area, the initial phase of development will entail cold fluid pumping to create reservoir voidage prior to the implementation of the approved thermal recovery technique.

The initial established primary reserves for the Lindbergh area were based on a 2 per cent average primary recovery factor for the Cummings sands, and a 0.1 per cent average primary recovery factor for other Mannville sands. The initial established reserves for the Lindbergh thermal production areas were determined by summing the thermal reserves recognized for each project. This resulted in an average recovery factor of 15 per cent for the Mannville group of sands. For all other oil sands areas, the initial established reserves were determined by totalling the individual project reserves in each deposit. The individual project reserves estimates were based on historical and predicted production levels for each project.

For the drilled wells in the active experimental schemes, an initial established reserve figure of 13.3 million cubic metres is considered to be appropriate based on current well productivity, cumulative production, and the project production to the expiry date of each experimental scheme. Information from some 1400 wells was used in determining the experimental reserves figure.

The Board's estimate of the established in situ crude bitumen reserves is shown in Table 3-2.

TABLE 3-2 ESTABLISHED IN SITU CRUDE BITUMEN RESERVES UNDER ACTIVE DEVELOPMENT As at 31 December 1986

Development	1 Initial Volume in Place[a] $10^6\ m^3$	2 Recovery Factor Percentage	3 Initial Established Reserves $10^6\ m^3$	4 Cumulative Production[b]	5 Remaining Established Reserves
Peace River Commercial Project					
Thermal-Bluesky/Gething	16.0	40.0	6.4	0.4	6.0
Subtotal	16.0	40.0	6.4	0.4	6.0
Cold Lake Commercial Project					
Thermal-Clearwater	175.0	18.0	31.5	3.0	28.5
Subtotal	175.0	18.0	31.5	3.0	28.5
Lindbergh Commercial Projects					
Primary-Cummings 1 & 2	223.1	2.0	4.4		
-Other Mannville	209.6	0.1	0.2		
			4.6	0.6	4.0
Thermal-Cummings 1 & 2	21.7	15.0	3.3		
-Other Mannville	4.3	17.0	0.7		
			4.0	0.1	3.9
Subtotal	458.7		8.6	0.7	7.9
Other Lindbergh					
Primary-Cummings 1 & 2	273.1	2.0	5.5		
-Other Mannville	634.1	0.1	0.6		
Subtotal	907.2		6.1	1.0	5.1
Experimental Schemes	122.0	10.9	13.3	9.3[c]	4.0
Total	1 678.9		65.9	14.4	51.5

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[a] Thermal reserves are assigned only for lands approved for thermal developments and having completed drilling development.

[b] Cumulative production to 31 December 1986. For the Lindbergh area this includes heavy oil production for the period prior to the conversion to oil sands.

[c] Cumulative production of 4.0 million cubic metres for terminated schemes is not included.

Reserves of Crude Bitumen and Basic Data

TABLE 3-1

	1	2	3	4		5	6	7
OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	INITIAL VOLUME IN PLACE	AREA	AVERAGE PAY THICKNESS	BITUMEN SATURATION		POROSITY	WATER SATN	REMARKS
	$10^6 m^3$	$10^3 ha$	m	mass frac	pore vol frac	frac	frac	
ATHABASCA								
WABISKAW-MCMURRAY								
0 - 20	6 750	93	34	0.101		0.30	0.28	
20 - 40	10 640	135	38	0.098		0.29	0.26	
40 - 80	6 820	95	35	0.094		0.29	0.31	
80 - 120	2 470	28	41	0.097		0.30	0.30	WITHIN MINEABLE AREA
80 - 750+	117 800	4 329	19	0.069		0.28	0.38	
SUBTOTAL	144 480							
UPPER GRAND RAPIDS								
150 - 450+	4 140	334	9	0.062		0.30	0.45	
SUBTOTAL	4 140							
MIDDLE GRAND RAPIDS								
150 - 450+	1 410	182	5	0.077		0.30	0.32	
SUBTOTAL	1 410							
LOWER GRAND RAPIDS								
150 - 450+	1 220	173	6	0.051		0.30	0.55	
SUBTOTAL	1 220							
GROSMONT								
A	9 840	939	10		0.60	0.14	0.40	
B	5 380	976	5		0.69	0.15	0.31	
C	15 390	1 189	10		0.75	0.16	0.25	
D	19 890	1 063	16		0.67	0.20	0.33	
SUBTOTAL	50 500							
NISKU								
200 - 800+	10 330	499	8		0.63	0.21	0.37	
SUBTOTAL	10 330							
COLD LAKE								
UPPER GRAND RAPIDS								
300 - 600	7 400	816	6	0.065		0.30	0.42	
SUBTOTAL	7 400							
LOWER GRAND RAPIDS								
COLD LAKE AREA	11 650	740	12	0.069		0.31	0.40	
LINDBERGH AREA								
SPARKY	74	10	3	0.106	0.72	0.31	0.28	
LOWER GRAND RAPIDS 2	21	4	3	0.095	0.67	0.31	0.33	
LOWER GRAND RAPIDS 3	40	4	5	0.085	0.77	0.31	0.26	
LOWER GRAND RAPIDS 4	149	16	4	0.117		0.32	0.23	
LLOYDMINSTER	347	14	9	0.125	0.81	0.33	0.19	
SUBTOTAL	12 280[a]							
CLEARWATER								
300 - 600	11 330	561	12	0.078	0.56	0.30	0.44	
SUBTOTAL	11 330							
WABISKAW-MCMURRAY								
COLD LAKE AREA	3 160	591	6	0.057		0.25	0.49	
LINDBERGH AREA								
CUMMINGS 1	283	32	5	0.089		0.30	0.27	
CUMMINGS 2	235	25	5	0.089		0.31	0.24	
MCMURRAY	217	18	5	0.108	0.76	0.31	0.24	
SUBTOTAL	3 900[a]							
PEACE RIVER								
BLUESKY-GETHING								
300 - 700	12 000	987	13.6	0.046	0.54	0.24	0.46	
SUBTOTAL	12 000							
UPPER DEBOLT								
500 - 800	1 740	60	13		0.61	0.19	0.39	
SUBTOTAL	1 740							

TABLE 3-1

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1 INITIAL VOLUME IN PLACE 10^6m^3	2 AREA 10^3ha	3 AVERAGE PAY THICKNESS m	4 BITUMEN SATURATION mass frac	4 BITUMEN SATURATION pore vol frac	5 POROSITY frac	6 WATER SATN frac	7 REMARKS
PEACE RIVER (CONTINUED)								
LOWER DEBOLT								
500 - 800	5 070	96	32		0.70	0.18	0.30	
SUBTOTAL	5 070							
SHUNDA								
500 - 800	1 970	72	14		0.54	0.20	0.46	
SUBTOTAL	1 970							
BELLOY								
675 - 700	232	26	8		0.64	0.27	0.36	
SUBTOTAL	232							
TOTAL	268 000[a]							

[a] DISCREPANCIES ARE DUE TO ROUNDING.

4 RESERVES OF GAS

4.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1986 to be 1720 billion cubic metres, having a thermal (heating value) energy content of 67.0 exajoules. This represents a net decrease of 48 billion cubic metres since 31 December 1985. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in section 4.8. The changes in reserves during 1986 are shown below:

	Remaining Established Reserves of Marketable Gas			
	Actual Heating Value Basis	**Change**	**37.4 MJ/m³ Basis**	**Energy Content**
	10⁹ m³			10¹⁸ J
At 31 December 1985				
Associated and solution	290.4			
Non-associated	1 477.9			
Total	1 768.3[a]		1 839.9	68.8
Additions during 1986	21.8		22.7	0.8
Less production during 1986	69.9		72.3	2.7
At 31 December 1986				
Associated and solution	292.5	+ 2.1	304.4	11.9
Non-associated	1 427.6	– 50.3	1 485.9	55.0
Total	1 720.1[a]	– 48.2	1 790.3	67.0[a]
	(61 052)[b]		(63 491)[c]	

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[c] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1986, gas reserves were assigned to 19 893 pools in the province. Of these, 6576 had produced or are being produced and had remaining established reserves of 1206 billion cubic metres after cumulative production of 1307 billion. The 13 317 pools not on production had aggregate initial established reserves of marketable gas of 514 billion cubic metres, including 35 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 SMALL GAS POOL RESERVES

In ERCB ST 86-18, the Board advised that a study of gas reserves in small (principally single-well) gas pools would commence in 1986. The study to date has encompassed a performance review of some 2700 producing single-well pools, and has resulted in a reduction of 40.6 billion cubic metres or about 27 per cent of the previously assigned initial marketable gas reserves of those pools. The study showed that the reserves for many small pools are overstated, particularly those determined volumetrically (ie. the product of wellbore thickness, assigned area and recovery factor). Both gas in place and recovery factor have been found too high, and while it is often difficult to determine which is in greater error, lower recovery factor related to water production appears to be the primary reason for many of the reserve reductions.

Because of time constraints, the results for only 900 of the 2700 pools studied in detail (14.9 billion cubic metres of the total 40.6 billion cubic metre reduction) are reflected in Table 4-5. The remaining 25.7 billion cubic metre reduction, is shown only as a lump sum at the end of the table. The pools studied represent approximately one-half of the reserves assigned to currently producing small pools, or about one-fifth of the reserves assigned to all small pools, including those shut in and not produced to date.

During 1987, the Board will continue its review of the remaining 1600 small producing pools and some 13 000 small shut-in pools. It would appear, on the basis of the results of the study to date, that substantial further reductions may be necessary. However, those results should not be used directly to predict a total reduction for all small pools because the size of the pool, geological distribution, and methods used to estimate reserves of the studied pools may be significantly different than the remaining pools.

4.3 RESERVES OF GAS CONTAINING HYDROGEN SULPHIDE

Some 1300 gas pools in the province contain at least some hydrogen sulphide and may be classed as “sour”. The distribution of established reserves of sweet and sour gas is shown below:

	Raw Gas		**Marketable Gas**		
Type of Gas	**Initial Volume in Place**	**Initial Producible**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Established Reserves**
	10^6 m^3				
Sweet	3 318 839	2 312 374	2 056 983	780 737	1 276 246
Sour	1 776 773	1 346 248	995 442	525 878	469 564
Subtotal	5 095 612	3 658 622	3 052 425	1 306 615	1 745 810
Small gas pool reduction	– 37 981	– 28 491	– 25 723	—	– 25 723
Total	5 057 631 (179 514)[a]	3 630 131 (128 847)[a]	3 026 702 (107 428)[a]	1 306 615 (46 377)[a]	1 720 087 (61 052)[a]

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

The distribution of marketed gas production by hydrogen sulphide content in raw gas is shown below:

H_2S Content in Raw Gas	**1986 Cumulative Marketed Production**		**1986 Annual Marketed Production**	
Mole Percentage	10^6 m^3	Percentage of total	10^6 m^3	Percentage of total
0.00	780 737	59.75	45 599	65.20
0.00-1.99	193 573	14.81	9 535	13.63
2.00-9.99	178 092	13.63	8 267	11.82
10.00-19.99	93 647	7.17	3 829	5.48
20.00-29.99	13 320	1.02	823	1.18
30.00 or more	47 246	3.62	1 884	2.69
Total	1 306 615	100.00	69 937	100.00

Sulphur reserves are discussed in Chapter 7.

4.4 DISTRIBUTION OF GAS RESERVES BY POOL SIZE

The distribution of initial established reserves of marketable gas among pools of different size ranges is shown below. For the purposes of this table where gas production from two or more pools is commingled in the wellbore, the pools are considered as one pool, the SE Alta Gas System (MU) is considered on a field basis, and associated and solution gas reserves in a pool have been combined.

Reserve Range	**Pools**		**Initial Established Reserves**	
10^6 m^3	Number	Percentage of total	10^6 m^3	Percentage of total
3000 or more	142	0.7	1 634 369	53.5
1500-2999	90	0.5	188 116	6.2
300-1499	824	4.1	484 311	15.9
1-299	18 837	94.7	745 629	24.4
Subtotal	19 893	100.0	3 052 425	100.0
Small gas pool reduction	—	—	– 25 723	—
Total	19 893	100.0	3 026 702 (107 428)[a]	100.0

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.5 GROWTH OF MARKETABLE GAS RESERVES

The addition of some 22 billion cubic metres to the initial established reserves during 1986 included some 9 billion cubic metres resulting from new discoveries made during the year. The remaining 13 billion cubic metres were attributed to development drilling and the reassessment of previously discovered reserves and reserves discovered before 1986 but first recognized by the Board in 1986. The quantity of reserves added in 1986 was down to slightly more than one-half of those added in 1985, but only one-quarter of the annual average for the last decade. The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial recoverable marketable gas reserves were revised by more than 1000 million cubic metres in 1986 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by operators and Board staff.

4.6 DEEP BASIN UNCONVENTIONAL (TIGHT) GAS RESERVES

When gas reserves in the ultra-low-permeability zones of the Falher sandstones were first recognized in 1981, the Board noted that depletion studies would be necessary to better define these unconventional reserves. Since then, the Board has studied the performance of the Falher conglomerate (conventional) gas pools in the general Elmworth area to determine whether or not drainage of the vertically contiguous Falher tight sandstones is occurring. These studies, followed by discussions with industry, have led the Board to conclude that using current technology only a relatively small volume of gas is likely to be recovered from the Falher tight sandstones. Therefore, the Board will no longer carry separate gas reserves for Falher tight sandstone reservoirs and the 10 110 million cubic metres of established gas reserves previously carried for the Falher tight sandtone pools have been deleted. The Board believes that some recovery of gas from these sandstones will occur by drainage into the contiguous conglomerates. To recognize this effect the Board has increased the reserves of the Falher conglomerate pools, resulting in the established gas reserves for the Falher conglomerate pools being increased by 2824 million cubic metres.

4.7 RESERVES OF POOLS SUBJECT TO GAS CYCLING

Reserves of certain gas pools in which gas has been or is being cycled are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each gas-cycling pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted.

4.8 RESERVES OF ETHANE AND NATURAL GAS LIQUIDS INCLUDED IN GAS RESERVES

The remaining established reserves of natural gas discussed in section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain enter trunk line systems and will be extracted downstream at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1720 billion to 1666 billion cubic metres and from 67.0 to 62.6 exajoules, respectively, as shown at the end of Table 4-5.

Reserves of ethane and natural gas liquids are discussed in more detail in Chapters 5 and 6, respectively.

4.9 DISCUSSION OF RESERVES TABLE 4-5

The established reserves of marketable gas have been estimated, having regard for information presented by the industry in submissions and studies by the Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file[1]. Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

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[1] The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1986 is available in the following forms:

(a) Magnetic computer tape of the gas reserve file.

(b) A 5-volume publication of gas reserves and reserve factors in photoreduced form.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool have not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the volumes of injected gas are included in the remaining established reserves of marketable gas (column 6) of the respective pools. The volumes credited to the pools have been adjusted to reflect projected losses in the reservoir and in handling and processing.

The marketed gas production for 1986 was 70 billion cubic metres. It is emphasized that because changes, due to errors or to amendments to production reports, have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, net production volumes for any year should not be calculated from cumulative numbers appearing in this and previous reports. (The actual net production of marketable gas is reported in the Board's publication ERCB ST 87-17, "Alberta Oil and Gas Industry—Annual Statistics" and for 1986 was 65 billion cubic metres.)

The principal purchasers of gas from particular fields are shown in column 20. This information is current for those applications which were considered in the gas-removal proceedings of 1982[2]. The remaining portion of this information has not been reviewed recently and the notations should be used with caution.

4.10 OTHER MATTERS

A summary of the distribution of established reserves of gas by geological period is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 53 billion cubic metres at 31 December 1986. The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1986.

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[2] Energy Resources Conservation Board, 1983. Gas Removal Permit Applications Decisions. ERCB Report D 83-B. Calgary, Alberta.

TABLE 4-1 MAJOR GAS RESERVE CHANGES 1986

Pool	1 Initial Established Reserves 1986 10^6 m^3	2 Change	3 Main Reasons for Change
Caroline Basal Mannville A	1 800	+1 256	Development
Elmworth Falher A Tight sandstone	0	– 4 800	Re-evaluation of initial volume in place
Elmworth Falher B-4	3 750	+3 351	Development
Elmworth Falher B Tight sandstone	0	– 3 600	Re-evaluation of initial volume in place
Ferrier Cardium D (Solution)	625	– 1 366	Re-evaluation of initial volume in place
Jumping Pound West Turner Valley 36-24-6 W5M	1 200	+1 200	Development
Mitsue Gilwood A (Solution)	4 889	+1 183	Re-evaluation of initial volume in place and recovery and surface loss factors
Obed D-2 A	1 860	– 1 340	Re-evaluation of initial volume in place
Pouce Coupe South Doig B	2 130	+1 986	Development
Sinclair Falher A Tight sandstone	0	– 1 340	Re-evaluation of initial volume in place
Wembley Halfway B (Associated and Solution)	5 972	+2 912	Re-evaluation of initial volume in place. Gas conservation scheme
Total		– 558	

TABLE 4-2 RESERVES OF GAS-CYCLING POOLS CALCULATED ON AN ENERGY BASIS
As at 31 December 1986

Pool	1 Raw Gas Initial Volume in Place 10^6 m^3	2 Raw Gas Gross Heating Value MJ/m^3	3 Initial Energy in Place 10^6 MJ	4 Recovery Factor fraction	5 Fuel & Shrinkage (Surface Loss Factor) fraction	6 Initial Marketable Gas Energy 10^6 MJ	7 Marketable Gas Gross Heating Value MJ/m^3	8 Initial Established Reserves of Marketable Gas 10^6 m^3
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	812	72.19	58 643	0.75	0.60	17 593	41.01	429
Brazeau River Nisku M	1 250	76.22	95 267	0.75	0.60	28 580	41.36	691
Brazeau River Nisku P	4 054	61.23	248 228	0.79	0.74	50 986	39.22	1 300
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Carstairs Elkton A	29 910	40.30	1 205 380	0.90	0.23	835 328	40.16	20 800
Harmattan East Rundle	36 782	50.26	1 848 649	0.85	0.26	1 162 800	38.76	30 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	1 120	55.40	62 069	0.85	0.32	35 876	42.71	840
Kaybob Beaverhill Lake C	1 960	63.77	125 020	0.85	0.42	61 635	41.09	1 500
Kaybob South Beaverhill Lake A	104 424	47.90	5 001 905	0.70	0.58	1 470 560	40.40	36 400
Ricinus Cardium B	537	56.87	30 559	0.85	0.48	13 507	40.44	334
Valhalla Halfway B	5 428	53.89	292 537	0.80	0.33	156 800	40.00	3 920
Wembley Halfway B	5 678	53.89	305 970	0.80	0.33	164 000	40.00	4 100
Westpem Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709

TABLE 4-3 DISTRIBUTION OF ESTABLISHED RESERVES OF GAS BY GEOLOGICAL PERIOD As at 31 December 1986

	1	2	3	4	5	6	7	8
	Raw Gas	**Marketable Gas**			**Raw Gas**	**Marketable Gas**		
Geological Period	**Initial Volume in Place**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Energy Content**	**Initial Volume in Place**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Energy Content**
	10^6 m^3			TJ	Percentage of total			
Tertiary								
Tertiary	75	39	2	1 347				
Subtotal	75	39	2	1 347				
Upper Cretaceous								
Belly River	77 038	45 193	14 966	1 158 026	1.51	1.48	1.14	1.70
Milk River & Med Hat	416 822	274 529	114 891	5 796 492	8.18	8.99	8.79	8.52
Cardium	238 962	78 152	27 297	2 015 585	4.68	2.56	2.08	2.96
Second White Specks	6 360	4 326	691	134 133	0.12	0.14	0.05	0.19
Other	26 016	17 217	3 531	537 579	0.51	0.56	0.27	0.79
Subtotal	765 198	419 417	161 376	9 641 815	15.01	13.74	12.35	14.18
Lower Cretaceous								
Viking	378 446	271 000	137 531	5 095 647	7.42	8.87	10.52	7.49
Basal Colorado	41 082	32 894	25 938	266 449	0.80	1.07	1.98	0.39
Mannville	1 286 807	864 624	266 132	23 197 395	25.25	28.32	20.36	34.13
Other	37 303	24 879	11 707	502 213	0.73	0.81	0.89	0.73
Subtotal	1 743 638	1 193 397	441 308	29 061 704	34.21	39.09	33.77	42.76
Jurassic								
Jurassic	50 131	34 340	12 702	861 333	0.98	1.12	0.97	1.26
Other	51 560	33 856	6 741	1 071 824	1.01	1.10	0.51	1.57
Subtotal	101 691	68 196	19 443	1 933 157	1.99	2.23	1.48	2.84
Triassic								
Triassic	46 494	30 263	5 463	1 015 811	0.91	0.99	0.41	1.49
Other	41 748	29 104	1 739	1 049 783	0.81	0.95	0.13	1.54
Subtotal	88 242	59 367	7 202	2 065 594	1.73	1.94	0.55	3.03
Permian								
Belloy	9 026	5 978	972	193 006	0.17	0.19	0.07	0.28
Other	581	405	—	15 409	0.01	0.01	—	0.02
Subtotal	9 607	6 383	972	208 415	0.18	0.20	0.07	0.30
Mississippian								
Rundle	974 827	596 163	344 818	9 987 864	19.13	19.53	26.39	14.69
Other	71 508	50 231	22 616	1 083 776	1.40	1.64	1.73	1.59
Subtotal	1 046 335	646 394	367 434	11 071 640	20.53	21.17	28.12	16.29

TABLE 4-3 (continued)

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10^6 m^3			TJ	Percentage of total			
Upper Devonian								
Wabamun	208 213	93 347	48 608	1 697 012	4.08	3.05	3.72	2.49
Nisku	79 894	39 069	12 968	1 031 554	1.56	1.27	0.99	1.51
Leduc	453 150	239 835	155 235	3 505 515	8.89	7.85	11.88	5.15
Beaverhill Lake	340 198	147 777	52 766	3 746 352	6.67	4.84	4.03	5.51
Other	78 346	39 604	28 950	408 095	1.53	1.29	2.21	0.60
Subtotal	1 159 801	559 632	298 527	10 388 528	22.76	18.33	22.84	15.28
Middle Devonian								
Sulphur Point	11 508	7 769	663	283 632	0.22	0.25	0.05	0.41
Muskeg	3 485	1 880	267	67 575	0.06	0.06	0.02	0.09
Keg River	44 030	21 485	5 099	735 748	0.86	0.70	0.39	1.08
Other	22 657	8 835	4 322	192 648	0.44	0.28	0.33	0.28
Subtotal	81 680	39 969	10 351	1 279 603	1.60	1.30	0.79	1.88
Beyond economic reach	89 153	52 911	—	2 041 507	1.74	1.73	—	3.00
Confidential[a]	10 192	6 720	—	261 693	0.20	0.22	—	0.38
Small gas pool reduction	– 37 981	– 25 723	—	– 996 005	—	—	—	—
Total	5 057 631	3 026 702	1 306 615	66 958 998	100.00[b]	100.00[b]	100.00[b]	100.00[b]
	(179 514)[c]	(107 428)[c]		(63 491)[d]				

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[a] Some “confidential” reserves included in “beyond economic reach” category.

[b] Discrepancies are due to rounding.

[c] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[d] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot gas.

TABLE 4-4 RESERVES OF MULTI-FIELD POOLS
As at 31 December 1986

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Edmonton Pool No. 1	
Bashaw Edmonton D	26
Nevis Edmonton D	341
Total	367
Belly River Pool No. 1	
Bashaw Belly River C	933
Bashaw Belly River L	16
Nevis Belly River C	835
Total	1 784
Belly River Pool No. 2	
Bruce Belly River J	332
Holmberg Belly River J	84
Total	416
Milk River Pool No. 1	
Alderson Milk River A	13 360
Atlee-Buffalo Milk River A	5 501
Bantry Milk River A	5 980
Bindloss Milk River A	1 010
Bow Island Milk River A	67
Brooks Milk River A	295
Cassils Milk River A	1 650
Cessford Milk River A	2 780
Connorsville Milk River A	676
Countess Milk River A	5 890
Hussar Belly River C	30
Hussar Milk River A	128
Jenner Milk River A	3 510
Johnson Milk River A	356
Kitsim Milk River A	125
Leckie Milk River A	365
Matziwin Milk River A	1 880
Medicine Hat Milk River A	30 620
Newell Milk River A	957
Princess Milk River A	7 770
Suffield Milk River A	20 690
Verger Milk River A	5 230
Wintering Hills Milk River A	1 290
Total	110 160

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Medicine Hat Pool No. 1	
Alderson Medicine Hat A	2 800
Atlee-Buffalo Medicine Hat A	2 470
Bantry Medicine Hat A	3 410
Bassano Medicine Hat A	418
Berry Medicine Hat A	53
Bindloss Medicine Hat A	372
Brooks Medicine Hat A	44
Cassils Medicine Hat A	840
Cessford Medicine Hat A	7 250
Connorsville Medicine Hat A	1 920
Countess Medicine Hat A	7 600
Estuary Medicine Hat A	136
Eyremore Medicine Hat A	118
Gleichen Medicine Hat A	450
Hussar Medicine Hat A	2 950
Jenner Medicine Hat A	1 300
Johnson Medicine Hat A	12
Kitsim Medicine Hat A	270
Lathom Medicine Hat A	245
Leckie Medicine Hat A	137
Matziwin Medicine Hat A	1 430
Medicine Hat Medicine Hat A	50 000
Newell Medicine Hat A	71
Princess Medicine Hat A	4 350
Seiu Lake Medicine Hat A	290
Suffield Medicine Hat A	11 200
Verger Medicine Hat A	6 000
Wayne-Rosedale Medicine Hat A	1 130
Wintering Hills Medicine Hat A	3 980
Total	111 246
Medicine Hat Pool No. 3	
Alderson Medicine Hat C	670
Atlee-Buffalo Medicine Hat C	11
Bantry Medicine Hat C	915
Bow Island Medicine Hat C	12
Brooks Medicine Hat C	26
Cassils Medicine Hat C	100
Cessford Medicine Hat C	204

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10⁶ m³
Countess Medicine Hat C	75
Eyremore Medicine Hat C	29
Jenner Medicine Hat C	36
Matziwin Medicine Hat C	22
Medicine Hat Medicine Hat C	2 600
Medicine Hat Second White Specks J[a]	315
Medicine Hat Second White Specks M[b]	9
Medicine Hat Lower Colorado Sand A[a]	254
Newell Medicine Hat C	44
Princess Medicine Hat C	357
Suffield Medicine Hat C	844
Verger Medicine Hat C	84
Total	6 607
Medicine Hat Pool No. 4	
Alderson Medicine Hat D	190
Atlee-Buffalo Medicine Hat D	22
Bantry Medicine Hat D	78
Bindloss Medicine Hat D	3
Bow Island Medicine Hat D	2
Brooks Medicine Hat D	4
Cessford Medicine Hat D	490
Countess Medicine Hat D	46
Jenner Medicine Hat D	70
Matziwin Medicine Hat D	99
Medicine Hat Medicine Hat D	2 390
Newell Medicine Hat D	18
Princess Medicine Hat D	250
Suffield Medicine Hat D	1 000
Verger Medicine Hat D	225
Total	4 887
Cardium Pool No. 1	
Ansell Cardium FF	503
Edson Cardium FF	498
Edson Cardium BBB	47
Fickle Cardium FF	243
Galloway Cardium FF	210
Total	1 501
Second White Specks Pool No. 1	
Alderson Second White Specks A	12 500
Atlee-Buffalo Second White Specks A	47
Bantry Second White Specks A	1 650
Bow Island Second White Specks A	830
Cessford Second White Specks A	410
Countess Second White Specks A	536
Jenner Second White Specks A	1 130
Johnson Second White Specks A	98
Matziwin Second White Specks A	60
Medicine Hat Second White Specks A	4 860
Princess Second White Specks A	5 530
Suffield Second White Specks A	11 300
Verger Second White Specks A	2 020
Total	40 971
Bow Island Pool No. 1	
Medicine Hat Bow Island C	333
Suffield Bow Island C	311
Total	644
Viking Pool No. 1	
Fairydell-Bon Accord Upper Viking A	1 000
Fairydell-Bon Accord Middle Viking A	2 800
Fairydell-Bon Accord Middle Viking B	511
Peavey Upper Viking A	12
Redwater Upper Viking A	1 940
Redwater Middle Viking A	597
Redwater Lower Viking A	264
Westlock Middle Viking B	264
Total	7 388
Viking Pool No. 2	
Beaverhill Lake Upper Viking A & B, Middle Viking A and Lower Viking A	4 800

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10⁶ m³
Bellshill Lake Upper Viking A	138
Birch Upper and Middle Viking A	47
Bruce Upper Viking A and Middle Viking A & B	3 700
Dinant Upper Viking A	69
Fort Saskatchewan Upper and Middle Viking A	7 500
Holmberg Upper Viking A	87
Killam Upper and Middle Viking A	1 400
Killam North Upper and Middle Viking A, Basal Mannville C and Nisku A	1 100
Mannville Upper and Middle Viking A	213
Sedgewick Upper Viking A	179
Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	29 000
Total	48 233
Viking Pool No. 3	
Carbon Viking D	1 400
Ghost Pine Viking D	158
Total	1 558
Viking Pool No. 4	
Fenn-Big Valley Viking B	250
Fenn West Viking B	491
Lousana Viking B	12
Total	753
Viking Pool No. 5	
Hudson Viking A	687
Sedalia Viking A	241
Sedalia Viking F	5
Sedalia Upper Mannville D	43
Sedalia Lower Mannville B	91
Total	1 067
Viking Pool No. 6	
Ashmont Viking A	731
Bellis Viking A	34
Cache Viking A	1 790

Multi-field Pool Field and Pool	Initial Established Reserves 10⁶ m³
Canard Viking A	305
Clay Viking A	865
Corrin Viking A	924
Craigend Viking A	4 500
Duvernay Viking A	1 240
Duvernay Viking M	40
Glendon Viking A	34
Hairy Hill Viking A	626
Owlseye Viking A	119
Plain Viking A	39
St. Paul Viking A	265
Stry Viking A	367
Sugden Viking A	4 180
Therien Viking A	269
Ukalta Viking A	264
Whitford Viking A	990
Willingdon Viking A	322
Willingdon Viking B	6
Total	17 910
Viking Pool No. 7	
Inland Upper Viking C	143
Inland Upper Viking E and Middle Viking F	74
Inland Middle Viking G	26
Royal Upper Viking C and Lower Viking A	43
Total	286
Viking Pool No. 10	
Goodridge Viking F	114
Jarvie Viking F	94
Westlock Viking F	251
Total	459
Viking Pool No. 11	
Jarvie Viking G	66
Westlock Viking G	112
Total	178

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Viking Pool No. 12	
Atlee-Buffalo Viking A	17
Suffield Viking A	32
Total	49
St. Edouard Pool No. 3	
Ukalta St. Edouard B	60
Whitford St. Edouard B	34
Total	94
Glauconitic Pool No. 3	
Bonnie Glen Glauconitic A	1 930
Ferrybank Glauconitic A	1 930
Total	3 860
Glauconitic Pool No. 4	
Cessford Glauconitic T	248
Cessford Mannville HH	718
Wayne-Rosedale Glauconitic T	1 400
Total	2 366
Glauconitic Pool No. 5	
Bigoray Glauconitic I	926
Pembina Glauconitic I	2 580
Pembina Lobstick Glauconitic D	130
Total	3 636
Bluesky Pool No. 1	
Boyer Bluesky A & Gething A	11 246
Haro Bluesky A	5 003
Rainbow Bluesky A	4 736
Rainbow South Bluesky A	129
Sousa Bluesky A	929
Steen Bluesky A	378
Virgo Bluesky A	320
Total	22 741
Ellerslie Pool No. 1	
Connorsville Glauconitic A	234
Connorsville Glauconitic B	22
Connorsville Glauconitic C	167
Connorsville Glauconitic E	190
Connorsville Ellerslie A	2 510
Wintering Hills Ellerslie A	1 540
Total	4 663
Cadomin Pool No. 1	
Elmworth Cadomin A	4 820
Sinclair Cadomin A	2 750
Wapiti Cadomin A	6 390
Total	13 960
Halfway Pool No. 1	
Valhalla Halfway B	3 920
Wembley Halfway B	5 972
Total	9 892
Debolt Pool No. 1	
Cranberry Debolt A	1 720
Hotchkiss Debolt A	2 870
Total	4 590
Banff Pool No. 1	
Haro Banff E	256
Rainbow Banff E	15
Rainbow South Banff E	101
Total	372

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[a] Also commingled with the Medicine Hat Medicine Hat D Pool.

[b] Also commingled with the Medicine Hat Medicine Hat D and Medicine Hat Second White Specks A pools.

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Reserves of Gas and Basic Data

ERCB

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
ABEE 062-22W4									
TOTAL-ABEE	2 620			1 643	502	1 141		44 094	
ACADIA 026-04W4									
TOTAL-ACADIA	317			223	3	220		8 235	
ACHESON 052-26W4									
D-3 A SOLN	2 669	0.68	0.30	1 271	967	304	39	11 947	
OTHER	2 032			1 258	511	747		29 267	
TOTAL-ACHESON	4 701			2 529	1 478	1 051		41 214	
ACHESON EAST 052-25W4									
TOTAL-ACHESON EAST	668			298	59	239		9 391	
ACME 026-26W4									
TOTAL-ACME	319			210		210		8 446	
ADEN 001-09W4									
RUNDLE A	958	0.85	0.15	692	340	352	39	13 703	530
OTHER	572			394	218	176		6 585	
TOTAL-ADEN	1 530			1 086	558	528		20 288	
AERIAL 029-18W4									
TOTAL-AERIAL	669			389	74	315		12 579	
AETNA (SA) 002-25W4									
TOTAL-AETNA	137			105		105		3 930	
AKUINU 066-03W5									
TOTAL-AKUINU	656			447	82	365		13 537	
ALBERS 042-07W4									
TOTAL-ALBERS	143			98		98		3 775	
ALBRIGHT 072-09W6									
TOTAL-ALBRIGHT	519			364		364		13 626	
ALCOMDALE 057-26W4									
TOTAL-ALCOMDALE	234			147	5	142		5 263	
ALDER 045-07W5									
TOTAL-ALDER	139			94		94		3 765	
ALDERSON 015-11W4									
MILK RIVER A	20 090	0.70	0.05	13 360			36[a]		157 212
MEDICINE HAT A	4 124	0.70	0.03	2 800			36[a]		67 579
MEDICINE HAT C	1 382	0.50	0.03	670			36[a]		57 722
MEDICINE HAT D	392	0.50	0.03	190			36[a]		16 373
SECOND WHITE SPECKS A	17 544	0.75	0.05	12 500			36		143 705
SE ALTA GAS SYS(MU) TOTAL	43 532	0.70	0.05	29 520	13 290	16 230	36[a]	589 311	
UPPER MANNVILLE M	432	0.85	0.10	330	19	311	41	12 807	440
OTHER	7 767			5 309	772	4 537		180 201	
TOTAL-ALDERSON	51 731			35 159	14 081	21 078		782 319	
ALEXANDER 056-27W4									
BASAL QUARTZ A	4 299	0.94	0.03	3 920	3 867	53	40[a]	2 103	4 698
OTHER	459			258	74	184		7 178	
TOTAL-ALEXANDER	4 758			4 178	3 941	237		9 281	
ALEXIS 055-05W5									
BANFF A SOLN	387	0.65	0.40	151[b]			40		
BANFF A ASSOC	314	0.85	0.10	240[b]	75[b]	316	40	12 539	362
OTHER	361			250		250		9 794	
TOTAL-ALEXIS	1 062			641	75	566		22 333	
ALIX 040-23W4									
TOTAL-ALIX	860			451	96	355		14 616	
ALKALI 024-05W4									
TOTAL-ALKALI	96			68		68		2 520	
ALLIANCE 040-13W4									
TOTAL-ALLIANCE	64			42		42		1 571	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.89		1950	1986	NUL NORCEN
9.30	0.100	0.80	6 850	30	0.884	0.59	871.9	1960	1985	CMG MATERIAL BALANCE
5.05	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.41	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.61	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.61	0.139	0.60	4 450	19	0.921	0.58	487.7	1973	1986	
1.57	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1984	CWNGNUL KANNGAZ TCPL
								1904	1986	CWNGNUL KANNGAZ TCPL
6.00	0.200	0.65	11 270	33	0.833	0.64	1 003.3	1971	1983	TCPL
3.11	0.220	0.80	9 210	45	0.842	0.65	1 168.1	1954	1986	NORCEN MATERIAL BALANCE
						0.66		1968	1986	PANALTA CONCURRENT PRODUCTION
8.51	0.131	0.65	11 410	52	0.835	0.66	1 351.5	1968	1986	PANALTA CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
ALSASK 027-01W4									
TOTAL-ALSASK	712			500	91	409		15 544	
ALSIKE 049-02W5									
TOTAL-ALSIKE	18			13		13		516	
ALTARIO 035-01W4									
TOTAL-ALTARIO	608			419		419		15 759	
AMADOU 073-20W4									
TOTAL-AMADOU	107			61		61		2 282	
AMBER 115-07W6									
TOTAL-AMBER	1 936			1 136	174	962		42 121	
AMELIA (SA) 010-27W4									
TOTAL-AMELIA	35			23		23		878	
AMIGO 119-07W6									
TOTAL-AMIGO	1 684			1 039		1 039		44 161	
AMMIN (SA) 060-05W6									
TOTAL-AMMIN	1 303			902		902		34 270	
ANATOLE 031-03W4									
TOTAL-ANATOLE	197			133	2	131		4 903	
ANGLING 060-02W4									
GRAND RAPIDS B	464	0.65	0.05	287			37		3 367
GRAND RAPIDS C	10	0.65	0.05	7			37		200
GRAND RAPIDS E	12	0.55	0.05	7			37		200
SPARKY A	8	0.65	0.05	5			37		200
GRD RAP BCE & SPKY A TOTAL	494	0.65	0.05	306	247	59	37	2 208	
OTHER	255			147	79	68		2 545	
TOTAL-ANGLING	749			453	326	127		4 753	
ANGLO 019-18W4									
TOTAL-ANGLO	301			214	33	181		6 774	
ANKERTON 044-15W4									
TOTAL-ANKERTON	673			431		431		16 132	
ANNA (SA) 120-10W6									
TOTAL-ANNA	18			11		11		453	
ANNE (SA) 003-21W4									
TOTAL-ANNE	81			58		58		2 085	
ANSELL 052-20W5									
CARDIUM FF	2 797	0.20	0.10	503	8	495	39	19 454	2 614
BLUESKY A	919	0.75	0.10	620	1	619	37	23 169	1 502
CADOMIN A	520	0.85	0.10	398	2	396	37	14 822	400
OTHER	845			562	1	561		21 167	
TOTAL-ANSELL	5 081			2 083	12	2 071		78 612	
ANTE CREEK 065-24W5									
PEACE RIVER A	604	0.80	0.05	459	120	339	41	13 960	1 632
BEAVERHILL LAKE SDLN	2 028	0.60	0.20	974	791	183	41	7 466	
OTHER	750			453	-258	711		29 279	
TOTAL-ANTE CREEK	3 382			1 886	653	1 233		50 705	
ANTE CREEK NORTH 067-23W5									
TOTAL-ANTE CREEK NORTH	1 355			994	3	991		41 221	
ANTELOPE 030-01W4									
COLONY A	539	0.85	0.05	435	123	312	38	11 797	3 179
OTHER	1 064			681	269	412		16 215	
TOTAL-ANTELOPE	1 603			1 116	392	724		28 012	
ANTHONY (SA) 083-24W5									
TOTAL-ANTHONY	24			11		11		416	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.58	0.283	0.70	2 460	12	0.945	0.58	326.0	1981	1986	
1.00	0.320	0.60	2 500	13	0.945	0.57	326.5	1982	1982	
1.40	0.310	0.60	2 290	14	0.957	0.57	309.6	1982	1983	
1.00	0.310	0.50	2 600	13	0.944	0.57	340.7	1982	1982	
								1981	1986	
5.75	0.117	0.80	19 840	74	0.818	0.71	2 190.7	1976	1986	TCPL PART OF CARD POOL NO.1
3.51	0.114	0.75	22 390	78	0.890	0.64	2 982.1	1974	1985	TCPL
8.30	0.091	0.70	28 560	83	0.928	0.67	3 112.8	1981	1986	
2.24	0.188	0.70	12 130	54	0.840	0.52	1 573.0	1962	1985	TCPL
								1963	1983	A&S TCPL
1.45	0.310	0.45	7 650	26	0.868	0.58	768.4	1957	1985	MIP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
ANTLER (SA) 048-24W5									
BLAIRMORE 31-048-23	1 138	0.90	0.10	922		922	37	34 510	200
PEKISKO 33-048-24	712	0.80	0.10	513		513	41	21 125	128
TOTAL-ANTLER	1 850			1 435		1 435		55 635	
APETOWN (SA) 052-25W5									
NISKU 22-052-22	875	0.75	0.45	361		361	39	14 187	200
OTHER	184			124		124		4 873	
TOTAL-APETOWN	1 059			485		485		19 060	
APHRODITES (SA) 014-01W5									
TOTAL-APHRODITES	316			242		242		9 058	
ARDENODE 066-25W4									
TOTAL-ARDENODE	58			38		38		1 422	
ARGUS (SA) 103-08W6									
TOTAL-ARGUS	52			32		32		1 258	
ARMADA 016-19W4									
TOTAL-ARMADA	925			630	167	463		17 668	
ARMISIE 052-25W4									
TOTAL-ARMISIE	230			98	20	78		2 803	
ARMITAGE 074-13W4									
TOTAL-ARMITAGE	370			205		205		7 673	
ARNESON 025-02W4									
TOTAL-ARNESON	414			289	53	236		9 727	
ARTLAND 044-02W4									
TOTAL-ARTLAND	273			183		183		6 849	
ARVILLA 058-20W5									
TOTAL-ARVILLA	394			255	6	249		9 535	
ASHMONT 060-11W4									
VIKING A	1 183	0.65	0.05	731		731	37	27 361	21 610
OTHER	1 039			661	185	476		18 147	
TOTAL-ASHMONT	2 222			1 392	185	1 207		45 508	
ASTOTIN 054-19W4									
TOTAL-ASTOTIN	539			331	110	221		8 669	
ATHABASCA 066-23W4									
GRAND RAPIDS B	663	0.80	0.05	504	224	280	37	10 480	2 155
OTHER	1 251			841	242	599		22 249	
TOTAL-ATHABASCA	1 914			1 345	466	879		32 729	
ATHABASCA EAST 066-22W4									
TOTAL-ATHABASCA EAST	1 827			1 178	517	661		26 133	
ATIM 054-26W4									
TOTAL-ATIM	52			42	42				
ATLEE-BUFFALO 021-06W4									
MILK RIVER A	8 270	0.70	0.05	5 501			36[a]		70 290
MEDICINE HAT A	3 637	0.70	0.03	2 470			36[a]		63 184
MEDICINE HAT C	22	0.50	0.03	11			36[a]		1 106
MEDICINE HAT D	45	0.50	0.03	22			36[a]		2 666
SECOND WHITE SPECKS A	65	0.75	0.05	47			36		1 090
SE ALTA GAS SYS (MU) TOTAL	12 039	0.70	0.05	8 051	3 218	4 833	36[a]	175 486	
VIKING H	811	0.85	0.05	655	545	110	37[a]	4 035	11 372
OTHER	3 737			2 393	408	1 985		73 001	
TOTAL-ATLEE-BUFFALO	16 587			11 099	4 171	6 928		252 522	
ATMORE 067-17W4									
MCMURRAY A	688	0.80	0.05	523	135	388	37	14 379	9 955
MCMURRAY B		0.70	0.05				37		4 196
NISKU A		0.70	0.05				37		1 828
NISKU A & MCMURRAY B TOTAL	1 774	0.70	0.05	1 180	787	393	37	14 565	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
22.82	0.200	0.65	20 820	84	0.865	0.71	2 088.3	1977	1978	BER
30.84	0.090	0.80	33 270	108	0.992	0.63	4 015.2	1977	1982	BER TOP/BASE TVD
57.69	0.040	0.65	35 300	109	0.901	0.81	4 121.7	1981	1982	
1.03	0.253	0.50	3 890	15	0.914	0.58	420.1	1949	1982	MIP PANALTA PWGE TCPL PART OF VIK POOL NO.6
3.41	0.356	0.65	3 640	17	0.915	0.60	491.6	1952	1981	PWGE TCPL
4.65	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.33	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.51	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.43	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.77	0.216	0.60	5 690	27	0.906	0.58	630.0	1939	1980	CWNGNUL TCPL
								1904	1986	CWNGNUL MIP PANALTA PROGAS TCPL
1.39	0.250	0.50	6 830	27	0.883	0.60	782.0	1955	1982	TCPL MATERIAL BALANCE
1.90	0.228	0.60	2 610	22	0.947	0.57	509.3	1968	1983	PANALTA PROGAS TCPL
1.66	0.273	0.55	2 840	20	0.942	0.57	520.7	1960	1985	MATERIAL BALANCE
6.58	0.158	0.65	2 860	25	0.945	0.57	508.2	1967	1985	MATERIAL BALANCE
								1960	1985	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
ATMORE 067-17W4 (CONTINUED)									
OTHER	2 198			1 326	421	905		33 055	
TOTAL-ATMORE	4 660			3 029	1 343	1 686		61 999	
AUBURNDALE 047-06W4									
TOTAL-AUBURNDALE	1 228			790	238	552		20 662	
BADGER 016-18W4									
UPPER MANNVILLE E	731	0.95	0.05	659	22	637	38	24 321	150
OTHER	692			502	6	496		18 910	
TOTAL-BADGER	1 423			1 161	28	1 133		43 231	
BALSAM 082-10W6									
KISKATINAW A	977	0.85	0.05	789	198	591	40	23 894	1 086
OTHER	848			607	43	564		21 983	
TOTAL-BALSAM	1 825			1 396	241	1 155		45 877	
BANSHEE 050-22W5									
LEDUC 14-050-22	954	0.85	0.45	446		446	40	18 032	200
TOTAL-BANSHEE	954			446		446		18 032	
BANTRY 018-13W4									
MILK RIVER A	8 993	0.70	0.05	5 980			36[a]		78 738
MEDICINE HAT A	5 021	0.70	0.03	3 410			36[a]		71 173
MEDICINE HAT C	1 886	0.50	0.03	915			36[a]		43 289
MEDICINE HAT D	160	0.50	0.03	78			36[a]		6 683
SECOND WHITE SPECKS A	2 316	0.75	0.05	1 650			36		31 685
SE ALTA GAS SYS(MU) TOTAL	18 376	0.70	0.05	12 033	6 283	5 750	36[a]	208 783	
VIKING U	491	0.75	0.05	350			36		4 074
VIKING V	39	0.75	0.05	28			36		200
VIKING W	23	0.75	0.05	16			36		200
BASAL COLORADO C	182	0.75	0.05	130			38[a]		1 328
VIKING T	7	0.75	0.05	5			36		200
VIK TUVW & BSL COLO C TOTAL	742	0.75	0.05	529	263	266	38[a]	10 057	
MANNVILLE A ASSOC	280	0.90	0.15	214			40		488
MANNVILLE A SOLN	2 960	0.25	0.50	370			40		
MANNVILLE A ASSOC	315	0.90	0.15	241			40		686
MANNVILLE A ASSOC	16	0.90	0.15	12			40		48
MANNVILLE A ASSOC	269	0.90	0.15	206			40		530
MANNVILLE A ASSOC	10	0.90	0.15	8			40		32
MANNVILLE A ASSOC	29	0.90	0.15	22			40		128
MANNVILLE A ASSOC	29	0.90	0.15	22			40		64
MANNVILLE A ASSOC	2	0.90	0.15	2			40		32
MANNVILLE A ASSOC	7	0.90	0.15	5			40		32
MANNVILLE A ASSOC	36	0.90	0.15	27			40		68
MANNVILLE A TOTAL	3 953	0.40	0.30	1 129	317	812	40	32 829	
OTHER	5 458			3 645	1 269	2 376		91 148	
TOTAL-BANTRY	28 529			17 336	8 132	9 204		342 817	
BAPTISTE 067-22W4									
MANNVILLE C	51	0.70	0.05	34			36		200
MANNVILLE G	671	0.80	0.05	510			36		3 477
MANNVILLE N	22	0.70	0.05	14			36		200
MANNVILLE O	30	0.70	0.05	20			36		200
MANNVILLE P	52	0.70	0.05	34			36		200
MANNVILLE C,G,N,O&P TOTAL	826	0.80	0.05	612	193	419	36	15 214	
WABAMUN C	916	0.75	0.05	653	130	523	37	19 184	2 002
WABAMUN E	929	0.70	0.05	618	605	13	37	477	1 549
OTHER	1 136			744	197	547		19 873	
TOTAL-BAPTISTE	3 807			2 627	1 125	1 502		54 748	
BARE (SA) 003-03W4									
TOTAL-BARE	54			41		41		1 535	
BARK (SA) 121-07W6									
TOTAL-BARK	268			185		185		7 618	
BARRHEAD 058-05W5									
TOTAL-BARRHEAD	956			665		665		27 013	
BARTMAN 025-09W4									
TOTAL-BARTMAN	218			156	13	143		5 346	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
12.80	0.310	0.90	11 920	35	0.806	0.64	1 098.6	1980	1985	PROGAS
5.41	0.129	0.80	17 200	77	0.867	0.63	1 866.7	1974	1986	DOMEDOW TCPL
47.54	0.044	0.85	42 040	166	1.015	0.85	4 580.6	1977	1981	PANALTA BER
4.51	0.154	0.55	3 140	16	0.938	0.56	355.7	1910	1983	PRODUCTION DECLINE
1.63	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
1.11	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.61	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.94	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1981	TCPL
								1904	1986	CWNGNUL PANALTA TCPL
1.95	0.161	0.50	7 100	29	0.871	0.60	793.4	1973	1986	
2.47	0.140	0.70	7 380	27	0.865	0.60	814.4	1973	1986	
1.85	0.170	0.45	7 450	27	0.862	0.60	830.0	1973	1986	
1.13	0.200	0.65	8 550	30	0.860	0.61	881.5	1946	1986	
0.61	0.170	0.40	7 140	27	0.860	0.61	807.6	1973	1986	
								1946	1986	CWNGNUL TCPL
2.32	0.265	0.70	10 780	30	0.760	0.73	976.8	1948	1985	
						0.73		1948	1985	
1.86	0.265	0.70	10 780	30	0.760	0.73	980.9	1948	1985	
1.37	0.265	0.70	10 780	30	0.760	0.73	989.2	1948	1985	
2.03	0.265	0.70	10 910	30	0.759	0.73	992.7	1948	1985	
1.22	0.265	0.70	10 780	30	0.760	0.73	997.3	1948	1985	ASSIGNED WELL 16-15-018-13 W4M
0.91	0.265	0.70	10 780	30	0.760	0.73	993.1	1948	1985	ASSIGNED WELL 10-26-017-13 W4M
1.83	0.265	0.70	10 780	30	0.760	0.73	990.6	1948	1985	ASSIGNED WELL 12-34-017-12 W4M
0.30	0.260	0.70	10 780	30	0.760	0.73	989.2	1948	1985	ASSIGNED WELL 12-01-018-13 W4M
0.92	0.260	0.70	10 780	30	0.760	0.73	989.3	1948	1985	ASSIGNED WELL 01-02-018-13 W4M
2.06	0.269	0.70	10 960	30	0.758	0.73	997.3	1948	1985	
								1948	1985	
3.05	0.350	0.65	3 610	24	0.932	0.56	528.9	1966	1976	
3.23	0.280	0.60	3 450	23	0.932	0.58	424.3	1966	1982	
1.67	0.270	0.65	3 560	17	0.925	0.56	453.0	1966	1979	
1.83	0.330	0.65	3 570	17	0.925	0.56	456.8	1966	1979	
2.75	0.330	0.75	3 570	17	0.925	0.56	464.1	1966	1979	
								1966	1982	TCPL
9.31	0.190	0.75	3 480	29	0.950	0.63	601.1	1976	1982	TCPL
5.02	0.150	0.70	3 520	29	0.933	0.57	584.9	1959	1983	TCPL PRODUCTION DECLINE

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
BASELINE 061-14W5									
TOTAL-BASELINE	142			98		98		3 721	
BASHAW 042-22W4									
BELLY RIVER C	1 510	0.65	0.05	933			37		17 400
BELLY RIVER L	26	0.65	0.05	16			37		200
BELLY RIVER C & L TOTAL	1 536	0.65	0.05	949	154	785	37	29 383	
D-3 A SOLN	261	0.65	0.15	145[b]			41[a]		
D-3 A ASSOC	462	0.85	0.15	334[b]	243[b]	236	41[a]	9 718	1 125
OTHER	5 082			3 207	1 032	2 175		86 526	
TOTAL-BASHAW	7 341			4 635	1 439	3 196		125 627	
BASING 048-20W5									
TURNER VALLEY 048-20	3 140	0.40	0.10	1 130		1 130	39	44 409	2 482
TURNER VALLEY 048-21	1 425	0.40	0.10	513		513	41	20 930	1 710
OTHER	392			248	61	187		7 349	
TOTAL-BASING	4 957			1 891	61	1 830		72 688	
BASSANO 021-18W4									
MEDICINE HAT A	616	0.70	0.03	418			36[a]		501
SE ALTA GAS SYS (MU) TOTAL	616	0.70	0.05	418	1	417	36[a]	15 141	
OTHER	1 905			1 298	448	850		32 243	
TOTAL-BASSANO	2 521			1 716	449	1 267		47 384	
BATTLE 046-20W4									
TOTAL-BATTLE	97			57		57		2 133	
BATTLE SOUTH 045-20W4									
TOTAL-BATTLE SOUTH	126			83	2	81		3 135	
BAXTER LAKE 047-05W4									
MANNVILLE B	488	0.68	0.05	315	304	11	41	453	917
OTHER	537			335	159	176		6 932	
TOTAL-BAXTER LAKE	1 025			650	463	187		7 385	
BEAR CANYON 082-12W6									
TOTAL-BEAR CANYON	334			245		245		9 170	
BEARHILL LAKE (SA) 045-26W4									
TOTAL-BEARHILL LAKE	72			48		48		1 922	
BEATON 088-02W6									
TOTAL-BEATON	1 188			787	457	330		12 385	
BEATTY LAKE (SA) 123-02W6									
TOTAL-BEATTY LAKE	172			116		116		4 778	
BEAUVALLON 053-10W4									
COLONY K	1 783	0.75	0.05	1 270	1 121	149	38[a]	5 629	3 278
COLONY L	1 038	0.65	0.05	641	495	146	38[a]	5 493	3 072
COLONY P	591	0.75	0.05	421	79	342	37	12 801	5 110
OTHER	3 092			2 005	508	1 497		56 025	
TOTAL-BEAUVALLON	6 504			4 337	2 203	2 134		79 948	
BEAVER CROSSING 062-01W4									
TOTAL-BEAVER CROSSING	135			74	25	49		1 834	
BEAVERHILL LAKE 052-19W4									
U,M &L VIKING A		0.80	0.03				38[a]		
UPPER VIKING B		0.80	0.03				38[a]		5 238
UVIK AB,MVIK A&LVIK A TOTAL	6 186	0.80	0.05	4 800	3 877	923	38[a]	34 899	
OTHER	2 824			1 818	275	1 543		58 145	
TOTAL-BEAVERHILL LAKE	9 010			6 618	4 152	2 466		93 044	
BEAVERLODGE 072-10W6									
TOTAL-BEAVERLODGE	320			227		227		8 497	
BELLIS 059-15W4									
UPPER MANNVILLE B	942	0.80	0.05	716	536	180	38	6 872	4 387
UPPER MANNVILLE E		0.75	0.05				38		2 338
UPPER MANNVILLE F		0.75	0.05				38		1 531
UPPER MANNVILLE G		0.75	0.05				38		1 177
UPPER MANNVILLE H		0.75	0.05				38		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.94	0.250	0.40	2 020	22	0.960	0.56	491.1	1977	1986	PANALTA TCPL PART OF BR POOL NO.1
3.00	0.250	0.40	4 300	27	0.927	0.56	645.3	1981	1982	PART OF BR POOL NO.1
								1977	1986	PART OF BR POOL NO.1
						0.78		1951	1982	TCPL CONCURRENT PRODUCTION
5.22	0.054	0.85	16 060	60	0.800	0.78	1 754.7	1951	1982	TCPL CONCURRENT PRODUCTION
9.92	0.064	0.85	33 630	123	1.030	0.64	3 919.2	1975	1986	PANALTA TOP/BASE TVD
9.51	0.045	0.80	32 000	119	1.006	0.61	3 802.4	1978	1986	PANALTA TCPL TOP/BASE TVD
1.66	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1986	
								1904	1983	PANALTA TCPL
2.60	0.262	0.65	4 560	24	0.919	0.62	702.5	1975	1986	PANALTA TCPL PRODUCTION DECLINE
4.56	0.280	0.75	4 260	21	0.915	0.57	564.4	1973	1985	CWNGNUL PANALTA TCPL MATERIAL BALANCE
3.98	0.284	0.75	3 780	19	0.924	0.57	533.1	1976	1986	PANALTA TCPL CWNGNUL
1.82	0.280	0.60	3 560	17	0.923	0.58	482.9	1972	1985	PANALTA PROGAS TCPL
	0.210	0.60	5 550	33	0.901	0.61	776.7	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.94	0.200	0.65	4 800	26	0.898	0.60	765.3	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL TCPL PART OF VIK POOL NO.2
2.21	0.270	0.45	4 070	22	0.912	0.59	504.6	1965	1983	TCPL PANALTA MATERIAL BALANCE
2.12	0.300	0.65	3 450	22	0.932	0.59	528.2	1963	1982	PRODUCTION DECLINE
1.51	0.312	0.35	3 700	20	0.929	0.58	538.5	1969	1983	PRODUCTION DECLINE
2.12	0.300	0.55	3 860	27	0.925	0.58	550.2	1969	1982	PRODUCTION DECLINE
2.78	0.300	0.55	4 070	20	0.917	0.58	568.9	1969	1982	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
BELLIS 059-15W4 (CONTINUED)									
U MANN E,F,G & H TOTAL	1 200	0.75	0.05	855	699	156	38	5 956	
NISKU A	1 252	0.60	0.05	713	86	627	37	23 469	3 090
NISKU C	507	0.71	0.05	342	218	124	37	4 641	1 282
OTHER	4 818			2 981	955	2 026		76 497	
TOTAL-BELLIS	8 719			5 607	2 494	3 113		117 435	
BELLOY 078-01W6									
CADOTTE A	587	0.75	0.05	418	63	355	37	13 021	3 900
NOTIKEWIN A	1 209	0.75	0.05	862	294	568	37	20 834	1 210
DEBOLT B	494	0.80	0.10	356	107	249	39	9 786	890
OTHER	2 074			1 484	476	1 008		37 834	
TOTAL-BELLOY	4 364			3 120	940	2 180		81 475	
BELLSHILL LAKE 041-12W4									
TOTAL-BELLSHILL LAKE	1 641			711	179	532		20 010	
BENJAMIN 028-07W5									
RUNDLE A	1 809	0.65	0.15	1 000		1 000	40	40 050	1 008
RUNDLE B	1 865	0.65	0.15	1 030	112	918	40	36 766	883
RUNDLE C	1 597	0.65	0.20	830	36	794	40	31 800	440
TOTAL-BENJAMIN	5 271			2 860	148	2 712		108 616	
BENTLEY 058-07W4									
TOTAL-BENTLEY	76			45		45		1 700	
BENTON 028-03W4									
TOTAL-BENTON	420			295	72	223		8 675	
BERLAND RIVER 059-23W5									
LEDUC A	3 852	0.90	0.25	2 600	918	1 682	37	62 335	280
TOTAL-BERLAND RIVER	3 852			2 600	918	1 682		62 335	
BERLAND RIVER WEST 058-25W5									
WABAMUN 10-058-25	665	0.80	0.15	452		452	38	17 257	440
WABAMUN 26-058-25	423	0.80	0.05	321		321	38	12 256	200
OTHER	100			68		68		2 545	
TOTAL-BERLAND RIVER WEST	1 188			841		841		32 058	
BERRY 027-12W4									
UPPER MANNVILLE C ASSOC	130	0.70	0.10	82			39		431
UPPER MANNVILLE C SOLN	207	0.65	0.15	115			39		
UPPER MANNVILLE C ASSOC	153	0.70	0.10	96			39		404
UPPER MANNVILLE C ASSOC	11	0.70	0.10	7			39		39
UPPER MANNVILLE C TOTAL	501	0.70	0.10	300	10	290	39	11 182	
OTHER	2 451			1 728	255	1 473		55 662	
TOTAL-BERRY	2 952			2 028	265	1 763		66 844	
BESSIE 062-15W5									
TOTAL-BESSIE	50			36		36		1 482	
BIG ARROW 099-05W6									
TOTAL-BIG ARROW	87			56		56		2 243	
BIG BEND 066-27W4									
GRAND RAPIDS O	601	0.90	0.05	514	476	38	37	1 408	437
MCMURRAY H	765	0.75	0.05	545	480	65	37	2 409	3 537
MCMURRAY B		0.65	0.05				37		1 831
MCMURRAY II		0.65	0.05				37		425
WABAMUN F		0.65	0.05				37		128
MCMURRAY B,II & WAB F TOTAL	585	0.65	0.05	361	281	80	37	2 965	
WABAMUN A	1 017	0.75	0.05	724	218	506	37	18 940	1 666
OTHER	10 116			6 423	2 360	4 063		150 990	
TOTAL-BIG BEND	13 084			8 567	3 815	4 752		176 712	
BIG COULEE 067-23W4									
TOTAL-BIG COULEE	871			554	150	404		15 142	
BIGHORN 043-17W5									
TOTAL-BIGHORN	685			478		478		17 892	
BIGORAY 051-08W5									
GLAUCONITIC I	1 516	0.65	0.06	926	56	870	42	36 801	3 580

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1963	1985	TCPL
8.73	0.204	0.60	3 650	22	0.928	0.57	635.8	1965	1983	PANALTA TCPL
9.11	0.120	0.50	3 850	24	0.926	0.57	613.8	1976	1985	TCPL PRODUCTION DECLINE
2.54	0.270	0.70	3 120	25	0.950	0.56	517.8	1951	1982	A&S TCPL
2.87	0.270	0.60	4 650	27	0.917	0.56	569.2	1951	1979	A&S MATERIAL BALANCE
7.41	0.200	0.75	14 400	60	0.846	0.63	1 444.9	1951	1981	A&S MATERIAL BALANCE
18.91	0.055	0.75	28 000	92	0.948	0.67	3 336.8	1969	1985	PANALTA PROGAS TOP/BASE TVD
23.40	0.053	0.75	27 400	92	0.940	0.67	3 296.1	1961	1984	PANALTA PROGAS TOP/BASE TVD
36.00	0.057	0.75	28 900	92	0.955	0.69	3 495.0	1978	1984	PANALTA PROGAS TOP/BASE TVD
65.60	0.072	0.90	36 450	121	1.016	0.68	3 762.9	1958	1986	TCPL MATERIAL BALANCE
21.87	0.036	0.80	33 090	127	0.980	0.70	3 724.0	1958	1973	TCPL BER
12.00	0.084	0.85	33 000	104	1.009	0.59	3 618.0	1980	1981	TCPL BER
2.26	0.208	0.60	9 230	35	0.798	0.69	1 086.6	1980	1986	
						0.69		1980	1986	
3.54	0.176	0.65	8 400	35	0.828	0.66	1 071.0	1980	1984	
1.64	0.260	0.65	9 280	33	0.812	0.66	1 090.5	1980	1986	
								1980	1986	TCPL
4.70	0.250	0.60	4 620	21	0.905	0.57	600.6	1967	1981	TCPL PRODUCTION DECLINE
1.82	0.220	0.55	4 930	27	0.898	0.61	799.4	1967	1979	TCPL MATERIAL BALANCE
2.18	0.222	0.55	5 000	30	0.903	0.59	801.3	1968	1983	PRODUCTION DECLINE
1.83	0.253	0.60	5 000	29	0.900	0.60	799.8	1968	1983	PRODUCTION DECLINE
6.10	0.190	0.70	4 710	36	0.914	0.61	802.9	1976	1983	PRODUCTION DECLINE
								1968	1983	TCPL
6.98	0.214	0.80	5 000	35	0.906	0.61	811.7	1967	1976	TCPL
4.32	0.126	0.55	13 500	58	0.820	0.67	1 813.5	1958	1986	A&S PART OF GLAUC POOL NO.5

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
BIGORAY 051-08W5 (CONTINUED)									
PEKISKO A SOLN	335	0.60	0.10	181[b]			41		
PEKISKO A ASSOC	1 481	0.90	0.10	1 200[b]	1 018[b]	363	41	14 810	4 956
OTHER	4 972			2 743	189	2 554		106 302	
TOTAL-BIGORAY	8 304			5 050	1 263	3 787		157 913	
BIGSTONE 061-22W5									
DUNVEGAN A	4 662	0.75	0.05	3 321	281	3 040	43	129 717	4 853
D-3 A	13 810	0.42	0.30	4 060	3 681	379	37[a]	13 902	2 331
OTHER	1 151			733		733		29 048	
TOTAL-BIGSTONE	19 623			8 114	3 962	4 152		172 667	
BILAWCHUK 080-09W6									
TOTAL-BILAWCHUK	382			272		272		10 499	
BILBO 065-08W6									
FALHER C CONG 05-065-06	409	0.90	0.10	331		331	37	12 389	200
OTHER	3 091			2 118		2 118		83 306	
TOTAL-BILBO	3 500			2 449		2 449		95 695	
BINDLOSS 023-04W4									
MILK RIVER A	1 519	0.70	0.05	1 010			36[a]		19 140
MEDICINE HAT A	549	0.70	0.03	372			36[a]		22 652
MEDICINE HAT D	6	0.50	0.03	3			36[a]		383
SE ALTA GAS SYS (MU) TOTAL	2 074	0.70	0.05	1 385	304	1 081	36[a]	39 251	
VIKING A	10 774	0.90	0.01	9 600	7 670	1 930	37[a]	71 526	18 120
LOWER MANNVILLE C	715	0.90	0.05	611	36	575	37	21 310	405
OTHER	703			483	95	388		14 376	
TOTAL-BINDLOSS	14 266			12 079	8 105	3 974		146 463	
BIRCH 050-11W4									
UPPER MANNVILLE R	477	0.80	0.05	363	121	242	37	9 058	807
CAMROSE B	896	0.90	0.05	766	597	169	37[a]	6 263	5 784
OTHER	2 664			1 791	341	1 450		54 529	
TOTAL-BIRCH	4 037			2 920	1 059	1 861		69 850	
BISON LAKE 095-15W5									
TOTAL-BISON LAKE	328			209		209		8 856	
BISTCHO 122-04W6									
TOTAL-BISTCHO	212			146		146		5 991	
BITTERN LAKE 046-22W4									
GLAUCONITIC A	1 060	0.70	0.05	705	705	< 1	40	-	1 497
GLAUCONITIC J	521	0.75	0.05	371	82	289	40	11 574	200
ELLERSLIE A	405	0.85	0.05	327		327	40	13 096	947
OTHER	2 204			1 496	301	1 195		47 097	
TOTAL-BITTERN LAKE	4 190			2 899	1 088	1 811		71 767	
BLACK 110-09W6									
TOTAL-BLACK	1 410			949		949		38 971	
BLACK BUTTE 001-08W4									
SUNBURST-SWIFT A	469	0.80	0.04	360	311	49	37	1 834	824
SAWTOOTH A	900	0.82	0.05	701	612	89	37	3 331	1 660
RUNDLE A	1 105	0.80	0.10	796	404	392	38	14 967	1 230
OTHER	1 078			798	574	224		8 332	
TOTAL-BLACK BUTTE	3 552			2 655	1 901	754		28 464	
BLACK DIAMOND 020-02W5									
TOTAL-BLACK DIAMOND	346			47	41	6		247	
BLACKFOOT 022-23W4									
TOTAL-BLACKFOOT	389			257	100	157		5 929	
BLACKSTONE 045-16W5									
CARDIUM SD 26-044-16	439	0.85	0.10	336		336	40	13 474	200
BEAVERHILL LAKE A	18 334	0.80	0.25	11 000	450	10 550	38	398 896	3 724
OTHER	642			441		441		17 371	
TOTAL-BLACKSTONE	19 415			11 777	450	11 327		429 741	
BLANSKY (SA) 001-02W4									
TOTAL-BLANSKY	65			49		49		1 834	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.67		1965	1986	A&S CONCURRENT PRODUCTION
5.20	0.060	0.60	15 160	58	0.816	0.67	1 832.3	1965	1986	A&S CONCURRENT PRODUCTION
5.51	0.154	0.55	17 930	60	0.792	0.65	1 973.7	1959	1986	A&S PROGAS
17.47	0.080	0.85	32 650	116	0.975	0.70	3 383.4	1960	1986	A&S PRODUCTION DECLINE
7.60	0.120	0.85	35 760	103	1.025	0.64	2 552.0	1982	1986	
3.13	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
0.56	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
0.40	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
								1904	1983	PANALTA TCPL
3.43	0.294	0.55	6 830	27	0.881	0.59	685.5	1952	1984	TCPL MATERIAL BALANCE
5.18	0.233	0.60	10 100	30	0.846	0.59	843.7	1954	1967	TCPL
5.22	0.289	0.75	5 040	28	0.911	0.58	656.5	1978	1984	TCPL
3.19	0.101	0.65	4 760	27	0.912	0.58	714.2	1961	1984	TCPL MATERIAL BALANCE
5.84	0.251	0.60	9 030	46	0.857	0.64	1 220.5	1956	1984	
11.90	0.270	0.89	8 440	37	0.860	0.61	1 189.5	1977	1986	TCPL PRODUCTION DECLINE
3.46	0.190	0.65	9 310	46	0.830	0.68	1 261.9	1954	1967	
5.77	0.200	0.70	7 100	30	0.874	0.60	906.2	1944	1984	CMG PRODUCTION DECLINE
2.58	0.200	0.70	8 100	33	0.862	0.61	994.6	1944	1981	CMG PRODUCTION DECLINE
5.98	0.100	0.80	8 260	33	0.869	0.62	1 001.8	1944	1979	CMG MATERIAL BALANCE
16.50	0.123	0.55	21 740	81	0.888	0.64	2 777.8	1979	1980	
23.32	0.084	0.89	45 200	140	1.102	0.72	4 737.4	1979	1984	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
BLOOD 007-23W4									
BOW ISLAND A	780	0.60	0.05	445	93	352	38	13 309	1 967
OTHER	36			17		17		643	
TOTAL-BLOOD	816			462	93	369		13 952	
BLOOR 033-12W4									
TOTAL-BLOOR	285			195	12	183		6 936	
BLUEBERRY 082-07W6									
BELLOY 16-082-07	454	0.90	0.05	389		389	37	14 560	200
KISKATINAW A	1 139	0.80	0.05	865	404	461	37	17 255	200
OTHER	224			154		154		5 725	
TOTAL-BLUEBERRY	1 817			1 408	404	1 004		37 540	
BLUERIDGE 059-10W5									
JURASSIC A	748	0.60	0.10	404	218	186	41	7 659	200
JURASSIC B	2 639	0.80	0.10	1 900	1 028	872	41	35 909	3 967
PEKISKO A SOLN	79	0.60	0.10	42[b]			42		
PEKISKO A ASSOC	961	0.90	0.10	779[b]	452[b]	369	42	15 609	1 599
OTHER	993			646	11	635		26 585	
TOTAL-BLUERIDGE	5 420			3 771	1 709	2 062		85 762	
BOGGY LAKE (SA) 030-06W5									
TOTAL-BOGGY LAKE	54			37		37		1 454	
BOHN (SA) 081-07W4									
TOTAL-BOHN	92			45		45		1 937	
BOLLOQUE 064-26W4									
LOWER MANNVILLE A	894	0.70	0.05	595	500	95	37	3 521	2 631
LOWER MANNVILLE B	584	0.80	0.05	444	107	337	37	12 489	1 161
OTHER	1 452			917	80	837		31 191	
TOTAL-BOLLOQUE	2 930			1 956	687	1 269		47 201	
BOLTAN (SA) 060-02W6									
TOTAL-BOLTAN	187			129		129		4 829	
BONANZA 081-12W6									
HALFWAY A	458	0.85	0.15	331		331	37	12 389	1 222
OTHER	1 267			773	7	766		28 635	
TOTAL-BONANZA	1 725			1 104	7	1 097		41 024	
BONDISS 064-15W4									
TOTAL-BONDISS	189			122	34	88		3 294	
BONNIE GLEN 047-27W4									
GLAUCONITIC A	2 522	0.85	0.10	1 930	52	1 878	45	84 717	2 877
D-3 A SOLN	17 625	0.80	0.25	10 575[b]			46[a]		
D-3 A ASSOC	14 212	0.90	0.14	11 000[b]	5 633[b]	15 942	46[a]	728 071	1 312
OTHER	1 460			934	335	599		24 411	
TOTAL-BONNIE GLEN	35 819			24 439	6 020	18 419		837 199	
BONNYVILLE 060-05W4									
TOTAL-BONNYVILLE	843			567	395	172		6 311	
BORDER 042-05W4									
TOTAL-BORDER	86			51		51		1 906	
BORRADAILE 051-05W4									
TOTAL-BORRADAILE	88			57		57		2 028	
BOTHA 098-05W6									
DEBOLT A ASSOC	446	0.85	0.05	360		360	40	14 418	3 746
OTHER	198			134		134		5 157	
TOTAL-BOTHA	644			494		494		19 575	
BOTTREL 028-05W5									
TOTAL-BOTTREL	414			288		288		10 780	
BOUCHER 079-04W6									
TOTAL-BOUCHER	134			90		90		3 605	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH- m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
10.08	0.154	0.75	3 410	32	0.934	0.63	1 015.1	1978	1986	PANALTA
10.49	0.200	0.75	14 480	63	0.850	0.62	1 444.4	1973	1977	TCPL BER
9.87	0.130	0.70	15 380	64	0.850	0.63	1 581.9	1973	1985	TCPL MATERIAL BALANCE
7.05	0.208	0.60	12 540	66	0.853	0.65	1 672.8	1957	1985	TCPL MATERIAL BALANCE
3.95	0.171	0.65	12 450	65	0.846	0.66	1 722.5	1967	1985	TCPL MATERIAL BALANCE
						0.65		1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED
5.81	0.127	0.65	12 550	64	0.845	0.65	1 729.9	1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED
3.20	0.227	0.70	5 450	29	0.893	0.60	868.5	1965	1983	TCPL MATERIAL BALANCE
3.77	0.300	0.80	5 380	33	0.900	0.59	863.9	1973	1980	TCPL
2.45	0.122	0.75	14 520	60	0.742	0.84	1 482.7	1973	1984	PANALTA BER
8.83	0.118	0.60	12 450	47	0.789	0.70	1 568.1	1954	1986	PANALTA PROGAS SOQUIP PART OF GLAUC POOL NO.3
						0.79		1951	1984	SOQUIP CONCURRENT PRODUCTION GAS CYCLING
66.08	0.104	0.94	16 820	80	0.808	0.79	2 042.2	1951	1984	SOQUIP CONCURRENT PRODUCTION GAS CYCLING
3.23	0.174	0.40	5 220	35	0.910	0.59	767.5	1975	1982	

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
BOUNDARY LAKE SOUTH 084-12W6									
TRIASSIC E SOLN	1 012	0.43	0.10	392	351	41	39	1 611	
TRIASSIC G	939	0.80	0.10	676	437	239	39	9 393	3 278
KISKATINAW E	1 020	0.85	0.05	824	784	40	40	1 617	896
GOLATA B	1 187	0.90	0.10	961	785	176	40	7 116	400
KISKATINAW B	108	0.75	0.05	77			40		200
GOLATA A	459	0.85	0.05	371			40		440
KISKAT B & GOLATA A TOTAL	567	0.85	0.05	448	384	64	40	2 588	
OTHER	1 906			1 165	151	1 014		39 976	
TOTAL-BOUNDARY LAKE SOUTH	6 631			4 466	2 892	1 574		62 301	
BOUVIER 070-24W4									
WABAMUN C	518	0.65	0.05	320	49	271	37	10 043	1 056
OTHER	622			375	82	293		10 867	
TOTAL-BOUVIER	1 140			695	131	564		20 910	
BOW ISLAND 011-11W4									
MILK RIVER A	101	0.70	0.05	67			36[a]		2 112
MEDICINE HAT C	24	0.50	0.03	12			36[a]		947
MEDICINE HAT D	4	0.50	0.03	2			36[a]		227
SECOND WHITE SPECKS A	1 165	0.75	0.05	830			36		17 025
SE ALTA GAS SYS (MU) TOTAL	1 294	0.75	0.05	911	2	909	36[a]	33 006	
BOW ISLAND	3 803	0.80	0.05	2 890	1 538	1 352	39[a]	52 633	40 523
OTHER	868			632	8	624		23 537	
TOTAL-BOW ISLAND	5 965			4 433	1 548	2 885		109 176	
BOWDEN (SA) 033-28W4									
TOTAL-BOWDEN	31			18		18		687	
BOYER 103-22W5									
BLUESKY A	18 413	0.60	0.05	10 496			37		130 715
BLUESKY A	596	0.60	0.05	340			37		9 539
BLUESKY A	147	0.60	0.05	84			37		4 410
BLUESKY A	34	0.60	0.05	19			37		1 114
BLUESKY A	20	0.65	0.05	12			37		150
BLUESKY A	13	0.65	0.05	8			37		150
BLUESKY A	8	0.65	0.05	5			37		150
BLUESKY A	8	0.65	0.05	5			37		150
BLUESKY A	6	0.60	0.05	4			37		150
BLUESKY A	11	0.65	0.05	7			37		150
BLUESKY A	5	0.65	0.05	3			37		150
BLUESKY A	12	0.65	0.05	8			37		150
BLUESKY A	11	0.65	0.05	7			37		150
BLUESKY A	28	0.60	0.05	16			37		150
BLUESKY A	29	0.65	0.05	18			37		150
BLUESKY A	27	0.60	0.05	15			37		150
BLUESKY A	32	0.60	0.05	18			37		150
BLUESKY A	26	0.65	0.05	16			37		150
BLUESKY A	18	0.65	0.05	11			37		150
GETHING A	232	0.70	0.05	154			37		3 644
BLUESKY A & GETHING A TOTAL	19 676	0.60	0.05	11 246	1 977	9 269	37	346 939	
OTHER	483			292	81	211		7 959	
TOTAL-BOYER	20 159			11 538	2 058	9 480		354 898	
BRAEBURN 077-10W6									
BALDONNEL A	644	0.80	0.10	464	403	61	41[a]	2 489	2 131
OTHER	894			332	104	228		9 215	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.79		1964	1986	WCOAST
2.73	0.125	0.75	11 140	60	0.850	0.65	1 308.1	1967	1982	PANALTA WCOAST
5.07	0.156	0.85	16 060	77	0.880	0.60	1 893.7	1964	1976	WCOAST MATERIAL BALANCE
6.17	0.144	0.80	16 340	63	0.832	0.64	1 858.1	1964	1986	WCOAST MATERIAL BALANCE
2.44	0.170	0.80	16 230	60	0.854	0.59	1 845.0	1958	1980	
5.79	0.140	0.80	16 350	63	0.861	0.60	1 859.3	1958	1980	
								1958	1980	WCOAST
9.04	0.200	0.75	3 590	30	0.931	0.59	650.4	1977	1982	TCPL
1.88	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
0.65	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1978	
0.50	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1978	
0.88	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1984	TCPL PROGAS
								1910	1986	TCPL
1.09	0.260	0.60	5 170	27	0.888	0.60	646.2	1909	1984	NUL CWNG CWNGNUL PROGAS TCPL
6.40	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.84	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.51	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.38	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
6.20	0.207	0.40	2 560	21	0.962	0.57	389.3	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-29-100-23 W5M
3.40	0.190	0.50	2 700	21	0.946	0.57	379.0	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-31-101-24 W5M
3.00	0.160	0.40	2 750	22	0.959	0.57	429.6	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-24-101-01 W6M
2.44	0.210	0.40	2 550	19	0.948	0.57	338.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-102-23 W5M
1.80	0.210	0.40	2 550	19	0.948	0.57	227.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02/7-11-104-21 W5M
3.35	0.210	0.40	2 550	16	0.946	0.57	228.2	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-07-105-20 W5M
1.52	0.210	0.40	2 550	16	0.946	0.57	233.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-10-105-21 W5M
3.96	0.210	0.40	2 300	16	0.963	0.57	231.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-105-21 W5M
3.70	0.180	0.50	2 230	16	0.953	0.57	229.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-22-105-21 W5M
8.20	0.210	0.40	2 600	16	0.945	0.57	266.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-09-106-23 W5M
9.90	0.200	0.40	2 420	16	0.962	0.57	266.4	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-28-106-23 W5M
8.90	0.192	0.40	2 550	16	0.960	7.00	273.3	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 06-13-106-24 W5M
9.00	0.230	0.40	2 500	16	0.947	0.57	298.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-106-1 W6M
5.86	0.210	0.50	2 640	14	0.943	0.57	220.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02-06-106-20 W5M
4.01	0.210	0.50	2 640	14	0.943	0.57	217.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-106-20 W5M
1.90	0.250	0.50	2 620	21	0.945	0.57	384.7	1976	1980	PART OF BLSKY POOL NO.1
								1972	1985	DOMEDOW A&S KANNGAZ PANALTA TCPL PART OF BLSKY POOL NO.1
2.44	0.125	0.70	13 540	53	0.834	0.61	1 738.3	1954	1982	WCOAST

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
BRAEBURN 077-10W6 (CONTINUED)									
TOTAL-BRAEBURN	1 538			796	507	289		11 704	
BRANCH (SA) 002-20W4									
TOTAL-BRANCH	7			4		4		150	
BRANT 018-25W4									
TOTAL-BRANT	137			73	26	47		1 706	
BRAZEAU RIVER 045-13W5									
CARDIUM C SOLN	733	0.65	0.15	405	33	372	39	14 620	
LOWER MANNVILLE E	929	0.85	0.10	711	1	710	39	27 903	1 241
NORDEGG 07-047-12	550	0.85	0.05	445		445	39	17 489	256
ELKTON-SHUNDA A		0.75	0.10				39[a]		5 883
ELKTON-SHUNDA A		0.75	0.10				39[a]		9 428
ELKTON-SHUNDA A TOTAL	13 037	0.75	0.10	8 800	5 524	3 276	39[a]	127 535	
ELKTON-SHUNDA B		0.85	0.10				39[a]		26 045
ELKTON-SHUNDA B		0.85	0.10				39[a]		42 772
ELKTON-SHUNDA B		0.85	0.10				39[a]		128
ELKTON-SHUNDA B		0.85	0.10				39[a]		11 056
ELKTON-SHUNDA B		0.85	0.10				39[a]		26 958
ELKTON-SHUNDA B TOTAL	36 601	0.85	0.10	28 000	17 583	10 417	39[a]	409 388	
NISKU A SOLN	943	0.75	0.35	460	350	110	39	4 323	
NISKU E SOLN	814	0.65	0.35	344	286	58	39	2 279	
NISKU F	736	0.80	0.30	412	29	383	39	15 052	104
NISKU J	707	c	c	481	23	458	41	18 783	96
NISKU K	812	c	c	429	107	322	41	13 205	255
NISKU M	1 250	c	c	691	70	621	41	25 685	150
NISKU P	4 054	c	c	1 300	87	1 213	39	47 574	3 367
NISKU S	1 021	0.85	0.20	694	179	515	39	20 240	128
OTHER	8 115			5 061	-1 050	6 111		240 791	
TOTAL-BRAZEAU RIVER	70 302			48 233	23 222	25 011		984 867	
BREMNER 078-04W6									
TOTAL-BREMNER	31			22		22		807	
BRIDGE 057-07W5									
TOTAL-BRIDGE	272			184		184		7 231	
BRIGHT 051-02W5									
TOTAL-BRIGHT	271			197		197		8 257	
BRIKER 046-03W4									
TOTAL-BRIKER	114			81		81		3 032	
BRINTELL (SA) 081-23W4									
TOTAL-BRINTELL	37			22		22		806	
BRITTS (SA) 096-17W5									
TOTAL-BRITTS	31			17		17		681	
BRONSON 057-17W5									
TOTAL-BRONSON	702			479		479		19 184	
BROOKS 018-14W4									
MILK RIVER A	444	0.70	0.05	295			36[a]		3 498
MEDICINE HAT A	64	0.70	0.03	44			36[a]		1 883
MEDICINE HAT C	54	0.50	0.03	26			36[a]		1 448
MEDICINE HAT D	8	0.50	0.03	4			36		346
SE ALTA GAS SYS (MU) TOTAL	570	0.70	0.05	369	186	183	36[a]	6 645	
OTHER	45			31		31		1 253	
TOTAL-BROOKS	615			400	186	214		7 898	
BROWN CREEK (SA) 044-17W5									
RUNDLE 20-044-17	603	0.75	0.10	407		407	36	14 778	200
OTHER	73			52		52		1 888	
TOTAL-BROWN CREEK	676			459		459		16 666	
BROWNVALE 081-26W5									
TOTAL-BROWNVALE	166			101		101		3 705	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.70		1985	1986	TCPL
2.01	0.156	0.90	32 610	97	0.945	0.78	2 927.0	1975	1978	KANNGAZ TCPL
28.60	0.050	0.90	20 630	113	0.911	0.65	2 742.0	1979	1982	
5.59	0.114	0.85	26 580	99	0.933	0.70	2 944.3	1965	1985	MATERIAL BALANCE
3.85	0.070	0.85	26 580	99	0.929	0.66	2 925.5	1965	1986	MATERIAL BALANCE
								1965	1984	A&S PROGAS TCPL
3.91	0.114	0.80	26 800	95	0.939	0.67	3 023.9	1959	1985	MATERIAL BALANCE
2.72	0.079	0.75	26 800	95	0.939	0.69	2 948.3	1959	1985	MATERIAL BALANCE
0.60	0.079	0.75	26 800	95	0.939	0.69	3 048.9	1960	1985	MATERIAL BALANCE ASSIGNED WELL 06-03-045-13 W5M
0.63	0.051	0.60	26 800	95	0.939	0.68	2 830.0	1959	1985	MATERIAL BALANCE
1.46	0.069	0.75	26 800	95	0.939	0.68	2 890.0	1981	1985	MATERIAL BALANCE
								1959	1985	DOMEDOW A&S TCPL PROGAS
						0.75		1978	1986	A&S
						0.75		1978	1983	A&S
28.61	0.097	0.90	46 300	107	1.222	0.70	3 355.3	1978	1984	TCPL
21.80	0.138	0.90	38 390	108	1.053	1.21	3 361.4	1979	1984	TCPL GAS CYCLING
26.07	0.053	0.75	70 730	117	1.678		3 844.4	1978	1986	TCPL GAS CYCLING
29.76	0.109	0.85	49 990	104	1.248	0.79	3 271.8	1979	1986	TCPL GAS CYCLING
7.51	0.064	0.85	35 780	99	0.900	1.20	3 137.3	1977	1985	DOMEDOW A&S TCPL GAS CYCLING
49.69	0.065	0.90	37 880	110	1.025	0.86	3 761.9	1979	1986	TCPL PRODUCTION DECLINE
5.01	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
0.79	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
0.95	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.59	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
								1904	1986	CWNGNUL PANALTA TCPL
39.77	0.039	0.80	31 380	103	0.977	0.64	3 304.3	1960	1984	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
BROXBURN 009-21W4									
TOTAL-BROXBURN	50			29	22	7		262	
BRUCE 047-16W4									
BELLY RIVER J	465	0.75	0.05	332	164	168	37	6 288	3 316
UPPER VIKING A		0.75	0.03				38		83 884
MIDDLE VIKING A		0.75	0.03				38a		
MIDDLE VIKING B	385	0.55	0.03	206			37		15 454
U VK A,M VK A&M VK B TOTAL	5 085	0.75	0.05	3 700	2 216	1 484	37	55 546	
UPPER MANNVILLE ZZZ	455	0.70	0.05	303	178	125	38	4 773	369
OTHER	13 721			9 050	2 415	6 635		252 283	
TOTAL-BRUCE	19 726			13 385	4 973	8 412		318 890	
BUFF COULEE 046-07W4									
COLONY A	459	0.85	0.05	371	99	272	37	10 181	3 104
COLONY C	612	0.70	0.05	407	176	231	37	8 646	200
OTHER	620			439	47	392		14 673	
TOTAL-BUFF COULEE	1 691			1 217	322	895		33 500	
BUFFALO LAKE 040-20W4									
TOTAL-BUFFALO LAKE	815			444	30	414		17 116	
BUICK 090-02W6									
TOTAL-BUICK	76			50		50		1 965	
BURDETT (SA) 009-10W4									
TOTAL-BURDETT	82			59		59		2 297	
BURNT TIMBER 031-09W5									
RUNDLE A	20 750	0.80	0.20	13 280			39a		4 442
RUNDLE B	2 688	0.80	0.20	1 720			39a		2 446
RUNDLE A & B TOTAL	23 438	0.80	0.20	15 000	8 216	6 784	39a	264 101	
WABAMUN A	4 848	0.75	0.45	2 000	645	1 355	39	52 750	2 992
TOTAL-BURNT TIMBER	28 286			17 000	8 861	8 139		316 851	
BUSBY (SA) 057-27W4									
TOTAL-BUSBY	13			8		8		296	
BYEMOOR 034-19W4									
BASAL QUARTZ 03-034-19	435	0.80	0.10	313		313	42	13 005	200
OTHER	152			100	18	82		3 407	
TOTAL-BYEMOOR	587			413	18	395		16 412	
CACHE 058-12W4									
VIKING A	2 355	0.80	0.05	1 790	17	1 773	37	65 034	34 518
COLONY D	524	0.80	0.05	398	139	259	37	9 694	2 132
COLONY G	471	0.80	0.05	358	219	139	37	5 203	593
COLONY P	411	0.80	0.05	313	84	229	37	8 571	1 081
COLONY B		0.60	0.05				37		1 530
COLONY C		0.60	0.05				37		1 221
COLONY S		0.60	0.05				37		200
COLONY B,C & S TOTAL	541	0.60	0.05	309	241	68	37	2 545	
COLONY BB	71	0.65	0.05	44			37		745
COLONY EE	112	0.70	0.05	74			37		1 262
COLONY HH	331	0.80	0.05	252			37		2 608
COLONY BB, EE & HH TOTAL	514	0.75	0.05	370	216	154	37	5 764	
COLONY DD		0.75	0.05				37		880
COLONY FF		0.75	0.05				37		750
COLONY DD & FF TOTAL	486	0.75	0.05	346	225	121	37	4 529	
CLEARWATER B	1 247	0.70	0.05	829	667	162	37	6 064	3 843
OTHER	5 382			3 576	1 325	2 251		84 286	
TOTAL-CACHE	11 931			8 289	3 133	5 156		191 690	
CADOTTE 086-19W5									
TOTAL-CADOTTE	649			404	134	270		10 106	
CALAIS 070-25W5									
TOTAL-CALAIS	358			259	39	220		8 234	
CALLING LAKE 071-18W4									
D-2 B	2 372	0.75	0.05	1 690	1 451	239	37	8 946	7 421
D-2 C	613	0.80	0.05	466	33	433	39	17 017	3 867

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.09	0.268	0.60	2 740	20	0.943	0.57	371.8	1978	1986	TCPL A&S
1.19	0.180	0.70	5 650	26	0.890	0.61	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
	0.180	0.70	5 650	26	0.896	0.60	789.4	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.15	0.212	0.40	5 650	27	0.896	0.60	745.4	1952	1985	PART OF VIK POOL NO.2 PRODUCTION DECLINE
								1917	1985	PANALTA TCPL PROGAS PART OF VIK POOL NO.2
1.30	0.232	0.70	6 170	29	0.887	0.60	882.7	1977	1986	TCPL MATERIAL BALANCE
2.16	0.285	0.55	4 150	22	0.916	0.59	596.1	1976	1984	CWNGNUL PANALTA
11.72	0.280	0.89	4 250	21	0.921	0.59	593.8	1977	1986	CWNGNUL MATERIAL BALANCE
31.61	0.073	0.88	26 610	94	0.916	0.72	3 229.6	1959	1986	TOP/BASE TVD
9.52	0.065	0.80	25 860	100	0.888	0.76	3 342.4	1959	1986	TOP/BASE TVD
								1959	1984	TCPL
13.99	0.054	0.80	31 720	116	0.865	0.88	3 757.4	1976	1983	TCPL
7.70	0.220	0.70	16 100	41	0.795	0.65	1 329.0	1980	1980	
1.04	0.283	0.55	4 000	21	0.918	0.58	434.3	1949	1984	MIP PANALTA TCPL PART OF VIK POOL NO.6
5.12	0.230	0.55	3 650	21	0.931	0.56	477.6	1952	1977	NUL CWNG CWNGNUL MIP PANALTA TCPL OIL POOL DEPLETED
2.99	0.246	0.60	3 390	22	0.932	0.57	491.9	1965	1985	NUL CWNG MIP TCPL MATERIAL BALANCE
4.86	0.283	0.75	3 520	19	0.931	0.56	498.3	1977	1981	MIP PANALTA TCPL
1.30	0.277	0.70	3 790	19	0.923	0.60	484.0	1971	1986	MATERIAL BALANCE
1.62	0.290	0.65	3 850	21	0.927	0.60	488.5	1971	1986	MATERIAL BALANCE
1.82	0.250	0.60	3 905	18	0.921	0.57	489.8	1971	1986	MATERIAL BALANCE
								1971	1986	MIP PANALTA TCPL
1.46	0.272	0.70	3 320	21	0.931	0.58	480.4	1977	1981	
1.33	0.270	0.60	3 920	21	0.918	0.58	485.4	1973	1982	
1.66	0.294	0.65	3 800	21	0.920	0.58	481.4	1971	1981	
								1971	1982	MIP PANALTA TCPL
1.33	0.290	0.60	4 220	21	0.916	0.57	483.0	1958	1985	MATERIAL BALANCE
1.42	0.278	0.70	4 270	21	0.911	0.58	476.9	1958	1981	MATERIAL BALANCE
								1958	1982	MIP
2.33	0.313	0.65	3 850	21	0.925	0.57	573.1	1973	1986	MIP PANALTA TCPL PRODUCTION DECLINE
9.40	0.055	0.55	2 450	19	0.949	0.57	464.0	1964	1986	MATERIAL BALANCE
7.77	0.120	0.65	2 520	17	0.945	0.57	473.2	1978	1986	KANNGAZ PANALTA TCPL

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
CALLING LAKE 071-18W4 (CONTINUED)									
OTHER	680			438	45	393		14 702	
TOTAL-CALLING LAKE	3 665			2 594	1 529	1 065		40 665	
CALLING LAKE SOUTH 070-22W4									
TOTAL-CALLING LAKE SOUTH	579			360	40	320		12 458	
CALLING LAKE WEST 071-20W4									
UPPER MANNVILLE A	556	0.70	0.05	370	76	294	37	10 896	3 361
OTHER	818			514	95	419		15 416	
TOTAL-CALLING LAKE WEST	1 374			884	171	713		26 312	
CAMP (SA) 063-08W5									
TOTAL-CAMP	70			50		50		1 871	
CAMPBELL NAMAO 054-25W4									
NAMAO BLAIRMORE E SOLN	121	0.65	0.10	71[b]			38		
NAMAO BLAIRMORE E ASSOC	864	0.90	0.10	700[b]	479[b]	292	38	11 149	704
CAMPBELL BLAIRMORE A ASSOC	861	0.80	0.10				38		161
CAMPBELL BLAIRMORE A SOLN	117	0.65	0.10	69[b]			38		
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		335
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		49
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		207
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		102
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		85
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		79
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		36
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		96
CAMPBELL BLAIRMORE A TOTAL	1 312	0.80	0.10	929[b]	672[b]	257	38	9 812	
OTHER	1 496			910	237	673		25 696	
TOTAL-CAMPBELL NAMAO	3 793			2 610	1 388	1 222		46 657	
CANAL 070-23W4									
WABAMUN B	513	0.85	0.10	392	20	372	37	13 924	1 896
OTHER	163			104		104		3 863	
TOTAL-CANAL	676			496	20	476		17 787	
CANARD 057-09W4									
VIKING A	401	0.80	0.05	305	1	304	37	11 379	10 790
OTHER	1 525			1 021	252	769		28 785	
TOTAL-CANARD	1 926			1 326	253	1 073		40 164	
CAPRON 026-02W4									
TOTAL-CAPRON	192			133	8	125		4 992	
CARBON 029-22W4									
VIKING D	2 021	0.77	0.10	1 400	1 116	284	38	10 843	7 108
GLAUCONITIC	3 803	0.90	0.01	3 380	1 356	2 024	42	84 846	6 375
OTHER	1 665			1 038	377	661		26 248	
TOTAL-CARBON	7 489			5 818	2 849	2 969		121 937	
CARDIFF 054-02W5									
ELLERSLIE A	768	0.75	0.10	518	223	295	42	12 479	1 232
OTHER	360			243		243		9 223	
TOTAL-CARDIFF	1 128			761	223	538		21 702	
CARIBOU 062-10W5									
TOTAL-CARIBOU	199			140	21	119		4 704	
CAROLINE 035-06W5									
CARDIUM E SOLN	6 600	0.25	0.15	1 403	666	737	39	28 964	
VIKING A SOLN	872	0.65	0.15	482[b]			39[a]		
VIKING A ASSOC	4 623	0.92	0.05	4 040[b]	2 904[b]	1 618	39[a]	63 587	16 537
GLAUCONITIC C	116	0.75	0.10	78			38		200
BASAL MANNVILLE K	754	0.80	0.15	513			39		2 225
BASAL MANNVILLE R	199	0.80	0.10	143			39		822
BASAL MANNVILLE GG	2 512	0.65	0.10	1 470			39		4 916
BASAL MANNVILLE OO	745	0.75	0.10	503			39		2 972
BASAL MANNVILLE RR	479	0.85	0.10	366			39		2 254

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.20	0.300	0.60	2 790	20	0.942	0.56	423.7	1970	1977	KANNGAZ PANALTA
						0.67		1951	1982	NORCEN GPP
9.11	0.192	0.80	8 380	46	0.852	0.67	1 105.6	1951	1982	NORCEN GPP
1.67	0.150	0.50	8 200	38	0.845	0.66	1 132.9	1950	1985	PANALTA NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1950	1985	PANALTA NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.150	0.50	8 200	38	0.843	0.66	1 119.1	1950	1986	PRODUCTION DECLINE
2.86	0.200	0.50	8 020	36	0.819	0.67	1 128.2	1949	1986	PRODUCTION DECLINE
3.41	0.200	0.50	7 350	36	0.830	0.67	1 128.0	1950	1986	PRODUCTION DECLINE
1.97	0.210	0.60	8 020	36	0.819	0.67	1 125.4	1950	1986	PRODUCTION DECLINE
1.58	0.200	0.50	7 060	36	0.860	0.60	1 131.9	1950	1986	PRODUCTION DECLINE
1.09	0.200	0.50	8 370	37	0.843	0.60	1 132.4	1950	1986	PRODUCTION DECLINE
1.81	0.190	0.50	8 370	37	0.836	0.67	1 137.0	1950	1986	PRODUCTION DECLINE
2.74	0.190	0.50	8 370	37	0.863	0.67	1 136.8	1950	1986	PRODUCTION DECLINE
								1950	1986	CONCURRENT PRODUCTION
5.42	0.210	0.80	2 970	29	0.942	0.61	597.2	1972	1981	TCPL
0.77	0.256	0.45	3 950	19	0.919	0.58	474.6	1949	1983	PANALTA TCPL PART OF VIK POOL NO.6
2.02	0.145	0.60	8 180	41	0.841	0.66	1 300.2	1964	1985	A&S CWNGNUL PANALTA PART OF VIK POOL NO.3 PRODUCTION DECLINE
5.60	0.199	0.65	10 170	50	0.823	0.68	1 446.6	1955	1984	CWNG CWNGNUL TCPL MATERIAL BALANCE
1.71	0.171	0.70	10 490	41	0.806	0.68	1 321.3	1977	1986	PROGAS PANALTA PRODUCTION DECLINE
						0.68		1976	1986	TCPL PANALTA SECONDARY GAS CAP
						0.68		1957	1986	PANALTA TCPL CONCURRENT PRODUCTION
2.03	0.108	0.75	17 260	74	0.832	0.68	2 400.1	1957	1986	PANALTA TCPL CONCURRENT PRODUCTION
3.00	0.110	0.80	26 790	98	0.932	0.80	2 852.2	1981	1982	
1.62	0.109	0.75	28 480	80	0.897	0.87	3 009.7	1980	1986	
1.43	0.087	0.75	28 480	75	0.897	0.78	2 994.3	1980	1985	
3.08	0.097	0.75	27 120	80	0.899	0.68	2 932.0	1969	1986	
1.21	0.110	0.85	26 100	98	0.903	0.69	2 939.1	1981	1986	
1.14	0.102	0.75	26 700	78	0.888	0.68	2 884.3	1981	1986	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE KKK	30	0.75	0.10	21			39		150
BASAL MANNVILLE LLL	43	0.75	0.10	29			39		150
BASAL MANNVILLE MMM	74	0.75	0.10	50			39		150
GLAUC & BSL MANN MU 1 TOTAL	4 952	0.70	0.10	3 173	180	2 993	38	114 273	
BASAL MANNVILLE B	600	0.80	0.10	432	390	42	45	1 887	200
BASAL MANNVILLE G	872	0.85	0.10	667	273	394	39	15 338	200
BASAL MANNVILLE DD	511	0.75	0.10	345	17	328	37	12 277	200
BASAL MANNVILLE I	554	0.85	0.10	424			39		879
BASAL MANNVILLE XX	114	0.75	0.10	77			39		300
BASAL MANNVILLE YY	22	0.75	0.10	15			39		300
BASAL MANNVILLE AAA	27	0.75	0.10	18			39		150
BMN I,XX,YY & AAA TOTAL	717	0.85	0.10	534	20	514	39	20 010	
BASAL MANNVILLE M	233	0.75	0.10	158			39		598
BASAL MANNVILLE GGG	81	0.75	0.10	55			39		150
BASAL MANNVILLE HHH	91	0.75	0.10	61			39		432
BASAL MANNVILLE III	68	0.75	0.10	46			39		300
BASAL MANNVILLE MU #1 TOTAL	473	0.75	0.10	320	85	235	39	9 149	
BASAL MANNVILLE A	2 647	0.80	0.15	1 800			39		5 763
BASAL MANNVILLE L	925	0.80	0.10	666			39		3 540
BASAL MANNVILLE OO	640	0.80	0.15	435			39		1 671
BASAL MANNVILLE PP	38	0.80	0.15	26			39		300
BASAL MANNVILLE SS	167	0.80	0.10	121			39		656
BASAL MANNVILLE ZZ	22	0.80	0.15	15			39		150
BASAL MANNVILLE DDD	42	0.75	0.15	27			39		128
BASAL MANNVILLE JJJ	30	0.80	0.15	20			39		150
BASAL MANNVILLE YYY	192	0.75	0.15	122			38		400
BASAL MANNVILLE MU #3 TOTAL	4 703	0.80	0.15	3 232	442	2 790	39	108 615	
BASAL MANNVILLE O	48	0.75	0.15	31			39		200
BASAL MANNVILLE Y	6 112	0.60	0.10	3 300			39		7 739
BASAL MANNVILLE EE	116	0.75	0.15	74			39		400
BASAL MANNVILLE FF	193	0.75	0.10	131			39		200
BASAL MANNVILLE HH	101	0.75	0.15	65			39		690
BASAL MANNVILLE II	11	0.70	0.10	7			39		128
BASAL MANNVILLE JJ	28	0.75	0.10	19			39		200
BASAL MANNVILLE KK	38	0.75	0.10	26			39		200
BASAL MANNVILLE LL	29	0.75	0.10	20			39		200
OSTRACOD A	352	0.85	0.10	269			39		887
GLAUCONITIC F	236	0.75	0.05	169			39		840
BASAL MANN & OST MU TOTAL	7 264	0.65	0.10	4 111	392	3 719	39[a]	144 781	
ELLERSLIE 23-036-06	504	0.75	0.10	340		340	38	12 855	200
ELKTON A	671	0.85	0.15	485	321	164	37	6 139	400
ELKTON I	471	0.85	0.15	340	113	227	37	8 440	200
ELKTON N	840	0.85	0.15	607	33	574	37	21 485	200
OTHER	14 998			6 272	422	5 850		230 270	
TOTAL-CAROLINE	49 671			26 783	6 258	20 525		798 070	
CARROT CREEK 052-12W5									
LOWER MANNVILLE G	846	0.85	0.15	611			40		1 148
LOWER MANNVILLE L	246	0.85	0.15	178			40		511
LOWER MANNVILLE O	164	0.75	0.15	105			40		400
LOWER MANNVILLE G,L&O TOTAL	1 256	0.85	0.15	894	108	786	40	31 479	
LOWER MANNVILLE Q	308	0.85	0.25	197			40		128
JURASSIC T	163	0.80	0.10	117			37		294
L MANN Q & JUR T TOTAL	471	0.85	0.20	314	109	205	39	8 001	
OTHER	5 109			3 220	274	2 946		114 427	
TOTAL-CARROT CREEK	6 836			4 428	491	3 937		153 907	
CARSON CREEK 061-12W5									
BEAVERHILL LAKE B	10 941	c	c	8 030	4 669	3 361	42[a]	139 986	8 341
TOTAL-CARSON CREEK	10 941			8 030	4 669	3 361		139 986	
CARSON CREEK NORTH 062-12W5									
BEAVERHILL LAKE B SOLN	11 762	0.48	0.15	4 763	3 330	1 433	40[a]	57 392	
BEAVERHILL LAKE A SOLN	3 556	0.45	0.20	1 280[b]			40[a]		
BEAVERHILL LAKE A ASSOC	691	0.90	0.10	560[b]	1 418[b]	422	40[a]	16 901	1 129
OTHER	190			122		122		4 886	
TOTAL-CARSON CREEK NORTH	16 199			6 725	4 748	1 977		79 179	
CARSTAIRS 030-02W5									
ELKTON A	29 910	c	c	20 800	20 651	149	40[a]	5 984	7 186
OTHER	1 301			869	40	829		33 384	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.80	0.130	0.85	26 300	96	0.900	0.69	2 956.5	1984	1985	
1.70	0.100	0.75	26 300	96	0.900	0.69	2 940.7	1984	1985	
1.60	0.162	0.85	26 300	96	0.900	0.69	2 845.9	1982	1985	
								1970	1986	PANALTA PROGAS TCPL
8.02	0.150	0.70	29 370	86	0.917	0.75	2 881.3	1958	1986	A&S PRODUCTION DECLINE
26.10	0.110	0.85	19 760	93	0.859	0.67	2 958.8	1981	1981	A&S
10.60	0.110	0.95	25 500	84	0.880	0.70	2 844.3	1978	1979	A&S TCPL
2.91	0.126	0.80	24 200	92	0.878	0.70	2 886.8	1980	1985	
2.00	0.110	0.80	24 200	91	0.878	0.70	2 910.1	1980	1985	
0.40	0.108	0.80	24 200	92	0.878	0.70	2 888.0	1980	1985	
1.30	0.082	0.75	24 500	86	0.872	0.70	2 872.3	1980	1985	
								1980	1985	A&S PROGAS TCPL
1.86	0.126	0.80	23 410	89	0.883	0.68	2 799.0	1979	1985	
4.20	0.100	0.60	24 230	90	0.889	0.68	2 858.2	1979	1985	
1.17	0.103	0.85	23 000	89	0.881	0.68	2 800.6	1962	1985	
1.35	0.097	0.85	23 000	89	0.881	0.68	2 806.6	1980	1985	
								1962	1985	
2.03	0.117	0.80	27 420	87	0.896	0.72	2 692.1	1979	1986	
1.01	0.118	0.85	29 680	81	0.924	0.68	2 652.8	1964	1986	
1.63	0.119	0.80	27 850	87	0.892	0.73	2 810.6	1960	1985	
0.70	0.094	0.75	30 530	91	0.925	0.74	2 773.3	1981	1985	
0.90	0.138	0.85	27 450	84	0.905	0.68	2 650.8	1980	1984	
0.80	0.090	0.80	29 330	89	0.910	0.73	2 774.0	1981	1985	
1.80	0.100	0.75	28 000	92	0.902	0.76	2 837.4	1981	1985	
1.00	0.100	0.80	29 330	89	0.910	0.73	2 792.2	1981	1985	
1.65	0.120	0.85	30 940	69	0.903	0.74	2 688.2	1973	1986	TCPL
								1960	1986	A&S TCPL
1.00	0.130	0.90	22 950	91	0.866	0.71	2 886.5	1980	1983	
4.35	0.104	0.80	24 540	90	0.881	0.69	2 856.2	1978	1986	
2.00	0.102	0.70	22 600	88	0.876	0.70	2 925.0	1980	1986	
4.00	0.140	0.85	22 600	91	0.870	0.70	2 943.0	1980	1983	
1.03	0.100	0.70	22 470	94	0.855	0.73	2 954.6	1979	1983	
0.74	0.077	0.65	26 000	77	0.875	0.71	2 908.7	1981	1983	
1.40	0.075	0.65	22 200	92	0.852	0.73	2 936.5	1979	1983	
1.16	0.095	0.70	26 750	78	0.883	0.71	2 915.5	1981	1982	
1.22	0.077	0.80	19 800	78	0.835	0.69	2 981.1	1980	1983	
2.63	0.094	0.80	22 800	93	0.882	0.68	2 982.5	1980	1982	
1.71	0.080	0.85	26 900	90	0.924	0.65	2 795.6	1982	1985	
								1978	1986	A&S PROGAS TCPL
14.90	0.110	0.85	16 730	71	0.765	0.78	2 656.4	1983	1983	
9.87	0.099	0.80	23 740	93	0.859	0.77	2 830.9	1959	1984	A&S
11.10	0.120	0.80	25 250	92	0.891	0.71	2 870.5	1981	1984	A&S
22.20	0.100	0.85	23 520	79	0.854	0.74	2 651.0	1985	1986	
5.02	0.119	0.70	17 660	81	0.805	0.76	2 135.5	1976	1986	
2.86	0.115	0.75	17 900	65	0.770	0.87	2 180.2	1976	1982	
2.40	0.137	0.65	17 520	64	0.769	0.76	2 150.2	1979	1986	
								1976	1986	TCPL
9.97	0.130	0.75	23 100	62	0.792	0.78	2 060.1	1979	1986	
2.62	0.124	0.70	23 100	63	0.803	0.74	2 090.6	1979	1982	
								1979	1986	PANALTA
7.80	0.077	0.80	26 130	93	0.850	0.92	2 627.4	1957	1986	A&S TCPL GAS CYCLING
						0.75		1958	1986	A&S PROGAS
						0.71		1958	1981	A&S PROGAS CONCURRENT PRODUCTION
3.13	0.094	0.90	25 750	85	0.885	0.71	2 644.1	1958	1981	A&S PROGAS CONCURRENT PRODUCTION
17.48	0.121	0.90	22 820	80	0.865	0.73	2 461.1	1958	1981	TCPL GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
CARSTAIRS 030-02W5 (CONTINUED)									
TOTAL-CARSTAIRS	31 211			21 669	20 691	978		39 368	
CARVEL 053-02W5									
TOTAL-CARVEL	514			362		362		13 686	
CASLAN 065-17W4									
NISKU A	624	0.75	0.05	445	99	346	37	12 823	1 955
OTHER	637			394	82	312		11 570	
TOTAL-CASLAN	1 261			839	181	658		24 393	
CASSILS 019-15W4									
MILK RIVER A	2 481	0.70	0.05	1 650			36[a]		9 504
MEDICINE HAT A	1 237	0.70	0.03	840			36[a]		8 284
MEDICINE HAT C	206	0.50	0.03	100			36[a]		4 486
SE ALTA GAS SYS (MU) TOTAL	3 924	0.70	0.05	2 590	330	2 260	36[a]	82 061	
OTHER	54			39	1	38		1 428	
TOTAL-CASSILS	3 978			2 629	331	2 298		83 489	
CAVALIER 024-23W4									
TOTAL-CAVALIER	109			64		64		2 416	
CAW (SA) 061-06W6									
TOTAL-CAW	77			50		50		1 886	
CECIL 084-08W6									
TOTAL-CECIL	535			406	25	381		14 334	
CECILIA 057-22W5									
TOTAL-CECILIA	276			210		210		7 860	
CENTRON (SA) 023-26W4									
TOTAL-CENTRON	17			9		9		337	
CEREAL 026-07W4									
TOTAL-CEREAL	137			88		88		3 398	
CESSFORD 025-13W4									
MILK RIVER A	4 180	0.70	0.05	2 780			36[a]		81 234
MEDICINE HAT A	10 677	0.70	0.03	7 250			36[a]		127 822
MEDICINE HAT C	420	0.50	0.03	204			36[a]		14 862
MEDICINE HAT D	1 010	0.50	0.03	490			36[a]		32 990
SECOND WHITE SPECKS A	576	0.75	0.05	410			36		8 818
SE ALTA GAS SYS(MU) TOTAL	16 863	0.70	0.05	11 134	1 135	9 999	36[a]	363 064	
BASAL COLORADO A ASSOC		0.88	0.04				39		41 326
BASAL COLORADO A SOLN	543	0.47	0.20	204[b]			39		
BASAL COLORADO A ASSOC		0.88	0.04				39		580
BASAL COLORADO A ASSOC		0.88	0.04				39		93
BASAL COLORADO A TOTAL	20 193	0.85	0.05	16 804[b]	16 531[b]	273	39	10 527	
BASAL COLORADO D	1 050	0.80	0.10	756	679	77	39[a]	2 969	4 000
BASAL COLORADO E	1 516	0.85	0.10	1 160			39[a]		3 595
MANNVILLE N	114	0.85	0.04	93			37		440
MANNVILLE O	202	0.75	0.05	144			37		200
BSL COLO E & MANN N&O TOTAL	1 832	0.85	0.10	1 397	1 383	14			
MANNVILLE I ASSOC	433	0.75	0.04	312	98	214	39	8 252	377
MANNVILLE C ASSOC	1 934	0.85	0.10	1 480[b]			39[a]		2 829
MANNVILLE C SOLN	1 408	0.65	0.20	732[b]			39[a]		
MANNVILLE C ASSOC	15	0.75	0.10	10[b]			39[a]		64
MANNVILLE C ASSOC	36	0.75	0.10	24[b]			39[a]		192
MANNVILLE C TOTAL	3 393	0.75	0.15	2 246[b]	1 540[b]	706	39[a]	27 223	
MANNVILLE G	1 314	0.70	0.04	883	837	46	37[a]	1 722	1 709
MANNVILLE H	1 770	0.80	0.04	1 359	1 214	145	37[a]	5 427	2 836
MANNVILLE J	631	0.72	0.04	436	436	< 1	37[a]	-	1 971
MANNVILLE P	555	0.90	0.04	480	403	77	37	2 882	440
MANNVILLE V	973	0.90	0.04	841	753	88	37[a]	3 294	365
MANNVILLE Y ASSOC		0.85	0.10				39[a]		304
MANNVILLE Z ASSOC		0.85	0.10				39		214
MANNVILLE Y&Z SOLN	241	0.65	0.30	110[b]			39		
MANNVILLE Y & Z TOTAL	594	0.75	0.15	380[b]	289[b]	91	39[a]	3 509	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.10	0.165	0.65	3 150	20	0.935	0.57	586.2	1976	1982	PANALTA
10.32	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
3.45	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
1.17	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
								1904	1983	PANALTA TCPL
3.48	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1986	PRODUCTION DECLINE
1.93	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1986	
0.72	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.78	0.139	0.60	4 450	19	0.921	0.57	328.6	1973	1986	
0.84	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1982	PANALTA TCPL
								1904	1986	CNG KANNGAZ PANALTA PROGAS TCPL
3.45	0.265	0.60	8 810	27	0.836	0.61	872.8	1951	1986	DOMEDOW PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.61		1951	1986	DOMEDOW PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
1.94	0.265	0.60	8 810	27	0.836	0.61	917.6	1951	1986	MATERIAL BALANCE
1.75	0.265	0.60	8 810	27	0.836	0.61	918.4	1951	1986	MATERIAL BALANCE
								1951	1986	CONCURRENT PRODUCTION
2.47	0.241	0.55	7 600	28	0.838	0.65	923.0	1951	1986	TCPL MATERIAL BALANCE
2.32	0.215	0.50	8 680	27	0.822	0.64	899.2	1950	1983	MATERIAL BALANCE
3.08	0.212	0.50	9 760	33	0.811	0.65	1 012.9	1951	1977	MATERIAL BALANCE
6.17	0.233	0.60	8 720	33	0.837	0.61	973.2	1953	1976	MATERIAL BALANCE
								1950	1983	TCPL
2.49	0.218	0.70	9 740	33	0.838	0.59	1 019.9	1951	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.33	0.240	0.70	9 720	33	0.756	0.72	1 014.6	1951	1986	CONCURRENT PRODUCTION
						0.72		1951	1986	CONCURRENT PRODUCTION
1.23	0.230	0.70	9 720	33	0.756	0.72	1 023.5	1951	1982	
0.92	0.240	0.70	9 720	33	0.756	0.72	1 025.4	1951	1981	
						0.72		1951	1986	TCPL CONCURRENT PRODUCTION
4.02	0.210	0.50	9 760	33	0.812	0.65	1 036.1	1950	1986	TCPL MATERIAL BALANCE
4.30	0.254	0.55	9 930	30	0.797	0.65	933.3	1958	1982	TCPL MATERIAL BALANCE
2.90	0.232	0.55	10 580	33	0.798	0.65	1 035.7	1958	1985	
4.32	0.230	0.50	9 620	35	0.819	0.65	1 108.3	1964	1986	TCPL MATERIAL BALANCE
2.81	0.160	0.45	9 760	38	0.818	0.66	1 158.2	1959	1973	KANNGAZ TCPL MATERIAL BALANCE
0.55	0.222	0.70	9 680	29	0.818	0.63	996.4	1951	1983	PRODUCTION DECLINE
0.56	0.236	0.65	9 680	29	0.801	0.65	991.3	1951	1983	PRODUCTION DECLINE
						0.63		1951	1985	
								1951	1985	TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
CESSFORD 025-13W4 (CONTINUED)									
MANNVILLE L		0.75	0.05				37[a]		498
MANNVILLE CC		0.75	0.05				37[a]		2 484
MANNVILLE L & CC TOTAL	609	0.75	0.05	434	350	84	37[a]	3 144	
GLAUCONITIC T	345	0.80	0.10	248			39		2 038
MANNVILLE HH ASSOC	997	0.80	0.10	718			39		2 348
GLAUC T & MANN HH TOTAL	1 342	0.80	0.10	966	152	814	39	31 388	
BANFF B ASSOC	383	0.85	0.10	293[b]			37		1 615
BANFF B ASSOC	2	0.75	0.10	2[b]			37		26
BANFF B ASSOC	6	0.75	0.10	5[b]			37		72
BANFF B SOLN	313	0.65	0.12	179[b]			37		
BANFF B TOTAL	704	0.75	0.10	479[b]	109[b]	370	37	13 849	
OTHER	10 941			7 229	2 322	4 907		186 804	
TOTAL-CESSFORD	63 197			45 136	28 231	17 905		664 054	
CHAIN 033-17W4									
TOTAL-CHAIN	1 237			797	123	674		25 407	
CHAMBERLAIN 052-23W4									
TOTAL-CHAMBERLAIN	7			5		5		221	
CHAMBERS 041-10W5									
ELKTON 05-041-11	463	0.85	0.10	355		355	40	14 353	200
OTHER	1 364			950		950		38 012	
TOTAL-CHAMBERS	1 827			1 305		1 305		52 365	
CHANDLER 059-02W4									
TOTAL-CHANDLER	194			115	52	63		2 357	
CHARD 079-06W4									
WABISKAW B	57	0.50	0.05	28			37		2 772
WABISKAW D	19	0.50	0.05	10			37		1 151
MCMURRAY B	3 860	0.75	0.05	2 750			43		20 948
MCMURRAY E	206	0.50	0.05	98			43		4 046
MCMURRAY F	7	0.60	0.05	4			43		200
MCMUURAY G	15	0.60	0.05	9			43		200
MCMURRAY H	7	0.60	0.05	4			43		200
WBSK B & D & MC BEFGH TOTAL	4 171	0.75	0.05	2 903	401	2 502	43	107 711	
OTHER	326			167	24	143		5 905	
TOTAL-CHARD	4 497			3 070	425	2 645		113 616	
CHARLIE 089-05W6									
TOTAL-CHARLIE	368			242		242		9 060	
CHARLOTTE LAKE 060-04W4									
COLONY G	486	0.65	0.05	300	284	16	37	599	4 679
OTHER	538			290	177	113		4 227	
TOTAL-CHARLOTTE LAKE	1 024			590	461	129		4 826	
CHARM 103-09W6									
TOTAL-CHARM	56			37		37		1 482	
CHARRON 069-16W4									
GROSMONT A	877	0.60	0.05	500	343	157	37	5 818	5 142
OTHER	1 600			947	168	779		29 287	
TOTAL-CHARRON	2 477			1 447	511	936		35 105	
CHAUVIN 043-01W4									
TOTAL-CHAUVIN	671			449	4	445		16 530	
CHAUVIN SOUTH 042-02W4									
TOTAL-CHAUVIN SOUTH	2 265			1 487	362	1 125		41 945	
CHEDDERVILLE 037-07W5									
LEDUC A	1 680	0.70	0.15	1 000	306	694	38	26 240	649
TOTAL-CHEDDERVILLE	1 680			1 000	306	694		26 240	
CHERHILL 056-05W5									
TOTAL-CHERHILL	4 171			2 435	383	2 052		80 644	
CHERPETA 074-19W4									
TOTAL-CHERPETA	926			516		516		19 314	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.03	0.023	0.50	9 650	35	0.818	0.65	1 107.6	1962	1985	MATERIAL BALANCE
2.04	0.170	0.50	9 450	35	0.820	0.65	1 087.1	1962	1980	MATERIAL BALANCE
								1962	1980	TCPL
1.64	0.177	0.55	9 670	40	0.828	0.64	1 282.0	1966	1984	PART OF GLAUC POOL NO.4
4.63	0.152	0.55	9 830	38	0.819	0.69	1 229.9	1972	1986	PART OF GLAUC POOL NO.4
						0.65		1966	1986	TCPL PART OF GLAUC POOL NO.4
2.53	0.151	0.50	10 900	38	0.803	0.66	1 195.0	1973	1985	
0.73	0.151	0.50	10 900	38	0.803	0.66	1 269.7	1973	1984	
0.94	0.151	0.50	10 900	38	0.803	0.66	1 287.3	1973	1985	CONCURRENT PRODUCTION
						0.66		1973	1985	CONCURRENT PRODUCTION
								1973	1985	TCPL CONCURRENT PRODUCTION
14.87	0.080	0.85	29 790	110	0.967	0.72	3 398.8	1973	1974	TCPL
0.83	0.246	0.55	1 790	15	0.962	0.56	200.5	1979	1986	PANALTA SOQUIP TCPL
0.65	0.272	0.50	1 740	7	0.957	0.56	270.3	1978	1986	
4.78	0.292	0.75	1 730	16	0.967	0.56	247.0	1957	1986	PANALTA TCPL PROGAS SOQUIP
1.47	0.303	0.65	1 730	18	0.962	0.56	222.3	1979	1986	PANALTA SOQUIP TCPL
1.30	0.300	0.55	1 580	16	0.966	0.56	202.9	1985	1986	
2.20	0.340	0.60	1 630	16	0.965	0.56	202.3	1985	1986	
1.60	0.300	0.45	1 640	16	0.965	0.56	209.2	1985	1986	
								1957	1986	
1.93	0.299	0.70	2 430	12	0.943	0.57	333.9	1967	1985	
7.57	0.141	0.75	2 620	23	0.948	0.57	463.6	1974	1986	PRODUCTION DECLINE
15.58	0.063	0.90	29 530	134	1.000	0.72	3 555.6	1967	1986	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
CHERRY (SA) 009-13W4									
TOTAL-CHERRY	65			47		47		1 600	
CHICKADEE 062-16W5									
GETHING A	781	0.75	0.05	557	118	439	37	15 432	3 141
GETHING C	726	0.65	0.10	425	36	389	40	15 579	1 404
GETHING G	497	0.75	0.10	336	15	321	37	12 015	1 339
OTHER	2 227			1 545	149	1 396		53 448	
TOTAL-CHICKADEE	4 231			2 863	318	2 545		97 474	
CHICKEN 061-07W6									
TOTAL-CHICKEN	492			327	7	320		12 068	
CHIGWELL 041-24W4									
MANNVILLE A	790	0.80	0.10	569	569	< 1	42[a]	-	694
MANNVILLE J	1 129	0.75	0.15	720	48	672	42	28 426	992
OTHER	4 814			3 007	184	2 823		116 258	
TOTAL-CHIGWELL	6 733			4 296	801	3 495		144 684	
CHIGWELL NORTH 042-24W4									
TOTAL-CHIGWELL NORTH	123			79		79		3 016	
CHIN COULEE 007-14W4									
TOTAL-CHIN COULEE	83			46	5	41		1 534	
CHINCHAGA 097-06W6									
SLAVE POINT A	1 389	0.80	0.10	1 000	89	911	37	34 099	2 386
OTHER	297			203		203		7 979	
TOTAL-CHINCHAGA	1 686			1 203	89	1 114		42 078	
CHINCHAGA NORTH 098-07W6									
DEBOLT-DETRITAL A	805	0.80	0.05	612	203	409	41	16 847	2 622
OTHER	227			155		155		6 208	
TOTAL-CHINCHAGA NORTH	1 032			767	203	564		23 055	
CHING (SA) 078-05W6									
TOTAL-CHING	73			52		52		1 907	
CHINIKI (SA) 024-07W5									
RUNDLE 04-024-07	881	0.90	0.20	634		634	39	24 682	200
TOTAL-CHINIKI	881			634		634		24 682	
CHINOOK 029-08W4									
BELLY RIVER A	497	0.70	0.05	331	279	52	38	1 985	4 403
OTHER	503			330	24	306		11 829	
TOTAL-CHINOOK	1 000			661	303	358		13 814	
CHINOOK RIDGE (SA) 065-13W6									
CADOTTE 12-065-13	896	0.90	0.10	725		725	38	27 681	440
NOTIKEWIN 12-065-13	556	0.90	0.10	450		450	38	17 181	200
U BELLOY 11-065-13	750	0.80	0.25	450		450	38	17 181	200
OTHER	345			248		248		9 469	
TOTAL-CHINOOK RIDGE	2 547			1 873		1 873		71 512	
CHIP LAKE 053-10W5									
LOWER MANNVILLE A	422	0.90	0.10	342	292	50	42	2 115	587
OTHER	77			50		50		1 950	
TOTAL-CHIP LAKE	499			392	292	100		4 065	
CHIPMUNK (SA) 082-13W5									
TOTAL-CHIPMUNK	25			18		18		661	
CHISHOLM 068-01W5									
TOTAL-CHISHOLM	907			598	174	424		16 158	
CINDY 077-01W6									
TOTAL-CINDY	106			75	55	20		656	
CLAIR 073-05W6									
TOTAL-CLAIR	49			30		30		1 209	
CLANDONALD (SA) 051-06W4									
TOTAL-CLANDONALD	188			125		125		4 679	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.34	0.125	0.45	13 840	73	0.859	0.67	1 846.5	1978	1982	PANALTA PROGAS
5.51	0.130	0.50	14 200	66	0.825	0.66	1 903.0	1979	1982	PROGAS
3.46	0.139	0.50	14 420	58	0.803	0.67	1 900.5	1977	1982	PANALTA PROGAS
7.38	0.170	0.65	11 530	64	0.828	0.69	1 571.2	1952	1985	
7.48	0.159	0.75	11 930	56	0.808	0.69	1 568.9	1977	1983	PANALTA
7.13	0.084	0.60	20 530	87	0.824	0.84	2 152.2	1973	1984	PANALTA MATERIAL BALANCE
3.78	0.204	0.65	5 770	28	0.890	0.59	691.7	1978	1986	PROGAS
45.31	0.049	0.80	28 670	84	0.921	0.70	2 630.9	1979	1980	BER
2.87	0.346	0.65	1 680	11	0.963	0.56	242.7	1967	1986	CWNGNUL
7.09	0.200	0.70	22 750	98	0.850	0.80	2 807.1	1956	1981	BER
9.87	0.200	0.70	23 440	112	0.860	0.80	2 881.6	1956	1981	BER
19.80	0.120	0.65	37 510	150	1.038	0.70	4 303.0	1979	1983	BER
2.34	0.140	0.80	21 370	69	0.828	0.70	1 879.7	1950	1985	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CLARESHOLM 013-26W4									
TOTAL-CLARESHOLM	1 286			863	97	766		32 112	
CLAY 059-14W4									
VIKING A	1 137	0.80	0.05	865	1	864	37	31 692	19 603
OTHER	1 223			837	242	595		22 361	
TOTAL-CLAY	2 360			1 702	243	1 459		54 053	
CLAYHURST 083-05W6									
TOTAL-CLAYHURST	14			8		8		299	
CLEAR HILLS (SA) 088-11W6									
TOTAL-CLEAR HILLS	206			131		131		5 198	
CLEAR PRAIRIE 091-12W6									
TOTAL-CLEAR PRAIRIE	330			211		211		7 916	
CLEARWATER (SA) 035-12W5									
TURNER VALLEY 32-035-12	669	0.75	0.15	427		427	38	16 145	200
TOTAL-CLEARWATER	669			427		427		16 145	
CLIFFDALE (SA) 084-17W5									
TOTAL-CLIFFDALE	34			19		19		761	
CLIVE 040-24W4									
D-2 A POOL 1 ASSOC	175	0.85	0.30	104^b			39^a		293
D-2 A POOL 1 SOLN	1 128	0.48	0.40	325^b			39^a		
D-2 A POOL 2 ASSOC	74	0.85	0.25	47^b			39^a		259
D-2 A POOL 3 ASSOC	947	0.85	0.30	564^b			39^a		1 371
D-2 A POOL 4 ASSOC	3	0.85	0.25	2^b			39^a		16
D-2 A TOTAL	2 327	0.65	0.35	$1\ 042^b$	433^b	609	39^a	23 934	
D-3 A ASSOC	167	0.85	0.30	99			39^a		420
D-3 A SOLN	2 077	0.66	0.35	891			39^a		
D-3 A POOL 2 ASSOC	382	0.85	0.30	228			39^a		516
D-3 A POOL 3 ASSOC	388	0.85	0.30	231			39^a		451
D-3 A POOL 4 ASSOC	103	0.85	0.30	62			39^a		314
D-3 A TOTAL	3 117	0.70	0.35	1 511	627	884	39^a	34 741	
OTHER	2 496			1 651	208	1 443		54 650	
TOTAL-CLIVE	7 940			4 204	1 268	2 936		113 325	
CLOUSTON (SA) 071-24W5									
TOTAL-CLOUSTON	62			42		42		1 572	
CLOVER 061-17W5									
TOTAL-CLOVER	241			166	34	132		5 305	
CLYDE LAKE 073-10W4									
TOTAL-CLYDE LAKE	61			37		37		1 385	
CLYDEN 075-13W4									
TOTAL-CLYDEN	335			206		206		7 710	
COALDALE 008-20W4									
TOTAL-COALDALE	653			331	221	110		4 158	
CODDIN (SA) 088-19W5									
TOTAL-CODDIN	7			5		5		187	
COLD LAKE 063-02W4									
COLONY A	545	0.80	0.05	414	345	69	37	2 583	710
COLONY D	529	0.80	0.05	402	198	204	37	7 636	945
OTHER	375			213	72	141		5 277	
TOTAL-COLD LAKE	1 449			1 029	615	414		15 496	
COLEMAN 009-05W5									
RUNDLE A	4 717	0.75	0.35	2 300			39		1 274
PALLISER B	3 428	0.75	0.30	1 800			39		630
RUNDLE A & PALLISER B TOTAL	8 145	0.75	0.35	4 100	1 658	2 442	39	95 067	
TOTAL-COLEMAN	8 145			4 100	1 658	2 442		95 067	
COLINTON 064-20W4									
TOTAL-COLINTON	323			204	38	166		6 208	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.03	0.253	0.50	4 180	18	0.918	0.58	454.4	1949	1982	MIP PANALTA PART OF VIK POOL NO.6
28.02	0.065	0.85	28 840	111	0.989	0.65	4 156.5	1980	1981	BER
5.79	0.065	0.85	17 100	67	0.733	0.87	1 850.7	1951	1986	CONING GAS CAP
						0.87		1951	1986	CONING GAS CAP
2.66	0.063	0.85	17 090	67	0.713	0.87	1 834.0	1951	1984	
6.20	0.062	0.85	17 070	67	0.675	0.90	1 850.2	1951	1986	
2.13	0.063	0.85	17 060	67	0.771	0.83	1 883.7	1951	1984	
								1951	1986	TCPL PANALTA CONING GAS CAP
4.10	0.056	0.85	17 570	67	0.722	0.87	1 879.2	1952	1986	
						0.87		1952	1986	
7.62	0.056	0.85	17 600	67	0.722	0.87	1 912.6	1952	1986	
8.16	0.056	0.85	17 570	57	0.684	0.93	1 881.5	1952	1986	
3.39	0.056	0.85	17 550	67	0.722	0.87	1 874.0	1952	1986	
								1952	1986	PANALTA TCPL
1.60	0.310	0.70	2 300	20	0.952	0.57	269.1	1952	1983	LOC U MATERIAL BALANCE
2.27	0.310	0.70	2 300	18	0.950	0.57	270.1	1952	1980	LOC U MATERIAL BALANCE
27.86	0.050	0.80	31 600	67	0.850	0.76	3 043.4	1969	1986	MATERIAL BALANCE
41.70	0.050	0.80	33 700	102	0.953	0.71	3 605.0	1969	1984	MATERIAL BALANCE
								1969	1984	A&S

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^{6}m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^{6}m^3	NET CUMULATIVE PRODUCTION 10^{6}m^3	REMAINING ESTABLISHED RESERVES 10^{6}m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
COLORADO 090-04W6									
TOTAL-COLORADO	263			150	20	130		5 109	
COLT 058-24W5									
TOTAL-COLT	539			384	3	381		14 328	
COLUMBIA 042-16W5									
TOTAL-COLUMBIA	1 664			918	202	716		28 412	
COMPEER 033-02W4									
TOTAL-COMPEER	649			500	168	332		12 427	
COMREY 001-07W4									
BOW ISLAND	714	0.80	0.05	542	540	2	35	70	2 447
OTHER	877			590	132	458		16 849	
TOTAL-COMREY	1 591			1 132	672	460		16 919	
CONKLIN (SA) 075-07W4									
TOTAL-CONKLIN	55			31		31		1 171	
CONNEMARA 016-27W4									
RUNDLE 04-016-27	521	0.90	0.15	399		399	41	16 431	200
OTHER	57			28		28		1 059	
TOTAL-CONNEMARA	578			427		427		17 490	
CONNORSVILLE 025-15W4									
MILK RIVER A	1 017	0.70	0.05	676			36[a]		16 500
MEDICINE HAT A	2 827	0.70	0.03	1 920			36[a]		25 515
SE ALTA GAS SYS(MU) TOTAL	3 844	0.70	0.05	2 596	66	2 530	36[a]	91 864	
VIKING A	527	0.60	0.05	300	144	156	37	5 839	2 506
GLAUCONITIC A	289	0.85	0.05	234			41		440
GLAUCONITIC B	31	0.75	0.05	22			41		128
GLAUCONITIC C	234	0.75	0.05	167			41		738
GLAUCONITIC E	266	0.75	0.05	190			41		200
ELLERSLIE A	3 486	0.80	0.10	2 510			41		9 730
GLAUC ABCE & ELRSL A TOTAL	4 306	0.80	0.10	3 123	1 316	1 807	41	74 412	
OTHER	1 255			882	133	749		30 206	
TOTAL-CONNORSVILLE	9 932			6 901	1 659	5 242		202 321	
COOKING LAKE 052-22W4									
TOTAL-COOKING LAKE	188			121	9	112		4 152	
CORAL 046-05W5									
TOTAL-CORAL	191			121		121		4 846	
CORBETT 061-07W5									
VIKING A	551	0.90	0.05	471	428	43	38	1 626	1 662
OTHER	421			288	12	276		10 903	
TOTAL-CORBETT	972			759	440	319		12 529	
CORDELL 042-16W5									
TURNER VALLEY 2042-16	1 421	0.50	0.10	640		640	40	25 664	400
TURNER VALLEY 1042-16	1 121	0.50	0.10	505		505	40	20 251	600
TOTAL-CORDELL	2 542			1 145		1 145		45 915	
CORNER 080-09W4									
TOTAL-CORNER	6			3		3		112	
CORNWALL 070-26W5									
TOTAL-CORNWALL	241			171		171		6 347	
CORRIN 061-13W4									
VIKING A	1 145	0.85	0.05	924		924	37	34 585	8 712
OTHER	706			451	17	434		16 245	
TOTAL-CORRIN	1 851			1 375	17	1 358		50 830	
COSWAY 030-26W4									
TOTAL-COSWAY	203			137	16	121		5 049	
COTTONWOOD (SA) 083-05W4									
TOTAL-COTTONWOOD	171			82		82		3 530	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.86	0.250	0.50	5 340	27	0.915	0.59	755.3	1952	1983	CMG MATERIAL BALANCE
12.19	0.120	0.85	20 820	68	0.829	0.72	2 288.1	1956	1979	PROGAS
2.44	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
2.56	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
								1904	1983	CWNGNUL CNG KANNGAZ PROGAS TCPL PANALTA
2.23	0.210	0.65	7 570	36	0.885	0.59	926.3	1956	1980	TCPL PANALTA MATERIAL BALANCE
6.17	0.170	0.60	9 260	29	0.836	0.61	1 064.7	1963	1982	PART OF ELRSL POOL NO.1
2.70	0.200	0.45	9 310	40	0.855	0.61	1 102.5	1964	1984	PART OF ELRSL POOL NO.1
1.85	0.250	0.65	9 340	29	0.835	0.61	1 073.8	1975	1976	PART OF ELRSL POOL NO.1
11.30	0.190	0.60	9 690	42	0.848	0.65	1 069.7	1976	1982	PART OF ELRSL POOL NO.1
3.68	0.179	0.50	9 720	35	0.825	0.65	1 115.1	1963	1986	PART OF ELRSL POOL NO.1
								1963	1986	KANNGAZ PANALTA PROGAS TCPL PART OF ELRSL POOL NO.1
2.06	0.200	0.55	8 270	44	0.884	0.65	1 024.2	1971	1982	TCPL MATERIAL BALANCE
12.15	0.085	0.80	29 290	106	0.971	0.64	3 672.2	1979	1985	TCPL BER
10.14	0.053	0.80	29 660	97	0.953	0.64	3 545.9	1979	1984	TCPL BER
1.86	0.280	0.60	4 030	21	0.927	0.57	399.0	1949	1982	CNG PANALTA PART OF VIK POOL NO.6

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m3	REMAINING ENERGY CONTENT TJ	AREA ha
COUNTESS 020-16W4									
MILK RIVER A	8 857	0.70	0.05	5 890			36[a]		77 352
MEDICINE HAT A	11 193	0.70	0.03	7 600			36[a]		104 704
MEDICINE HAT C	154	0.50	0.03	75			36[a]		5 374
MEDICINE HAT D	94	0.50	0.03	46			36[a]		4 518
SECOND WHITE SPECKS A	705	0.80	0.05	536			36		5 286
SE ALTA GAS SYS (MU) TOTAL	21 003	0.70	0.05	14 147	735	13 412	36[a]	486 990	
BOW ISLAND A	1 511	0.85	0.05	1 220	497	723	38[a]	27 337	8 700
BASAL COLORADO A	5 170	0.91	0.05	4 470	4 249	221	38[a]	8 356	14 468
UPPER MANNVILLE D SOLN	581	0.44	0.25	192[b]			38[a]		
UPPER MANNVILLE D ASSOC	364	0.75	0.10	246[b]	380[b]	58	38[a]	2 214	440
UPPER MANNVILLE S	460	0.80	0.05	350	261	89	38	3 398	665
UPPER MANNVILLE EE	710	0.80	0.10	511			38		2 121
UPPER MANNVILLE LL	93	0.75	0.10	63			38		200
U MANNVILLE EE & LL TOTAL	803	0.80	0.10	574	228	346	38	13 210	
OTHER	7 482			4 705	1 598	3 107		118 436	
TOTAL-COUNTESS	37 374			25 904	7 948	17 956		659 941	
COUTTS 001-16W4									
TOTAL-COUTTS	161			105		105		4 521	
COWLICK (SA) 058-06W6									
TOTAL-COWLICK	219			151		151		4 872	
COYOTE 028-15W4									
TOTAL-COYOTE	623			426	90	336		12 610	
CRAIGEND 064-13W4									
VIKING A	9 474	0.50	0.05	4 500	9	4 491	37	168 098	71 137
GRAND RAPIDS A	992	0.70	0.05	659	303	356	37	13 325	8 180
GRAND RAPIDS H	483	0.75	0.05	344	131	213	37	7 973	252
GRAND RAPIDS P	580	0.65	0.05	358	127	231	37	8 646	1 052
MCMURRAY C	1 578	0.60	0.05	900	541	359	37	13 437	12 862
GROSMONT A	5 380	0.45	0.05	2 300	2 064	236	37	8 833	36 190
OTHER	7 151			4 411	1 691	2 720		101 793	
TOTAL-CRAIGEND	25 638			13 472	4 866	8 606		322 105	
CRAIGMYLE 032-17W4									
TOTAL-CRAIGMYLE	2 041			1 335	131	1 204		45 837	
CRANBERRY 096-04W6									
DEBOLT A	2 587	0.70	0.05	1 720	396	1 324	40	53 026	6 069
SLAVE POINT A	14 118	0.85	0.15	10 200	1 917	8 283	41	341 094	26 513
SLAVE POINT B	1 024	0.75	0.15	653	398	255	41	10 501	694
GILWOOD 096-04	624	0.80	0.10	449		449	41	18 490	797
OTHER	474			313		313		12 338	
TOTAL-CRANBERRY	18 827			13 335	2 711	10 624		435 449	
CRANFORD 008-19W4									
TOTAL-CRANFORD	110			72	65	7		265	
CRESSDAY (SA) 003-01W4									
TOTAL-CRESSDAY	61			44		44		1 647	
CROOKED 069-23W4									
TOTAL-CROOKED	592			380	17	363		13 473	
CROSSFIELD 026-01W5									
BASAL QUARTZ A	1 583	0.92	0.19	1 179	912	267	38[a]	10 194	4 175
BASAL QUARTZ G	396	0.90	0.15	303	240	63	38[a]	2 405	200
BASAL QUARTZ C		0.70	0.15				38[a]		440
BASAL QUARTZ D		0.70	0.15				38[a]		440
BASAL QUARTZ C & D TOTAL	817	0.70	0.15	486	309	177	38[a]	6 758	
RUNDLE A	32 359	0.92	0.13	25 900	20 497	5 403	41[a]	219 632	13 449
RUNDLE B	31 371	0.92	0.21	22 800	19 537	3 263	40[a]	130 683	8 656
RUNDLE F	2 103	0.85	0.15	1 520	882	638	40[a]	25 552	1 654
RUNDLE H	557	0.90	0.15	426	308	118	40[a]	4 726	200
RUNDLE I	705	0.85	0.15	509	343	166	40[a]	6 648	431

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.52	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
2.47	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.73	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.53	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1985	
1.70	0.216	0.60	5 690	24	0.900	0.57	737.9	1939	1986	TCPL
								1904	1985	PANALTA PROGAS TCPL
1.78	0.229	0.55	7 310	33	0.877	0.60	889.1	1951	1983	TCPL
1.19	0.182	0.70	8 470	37	0.875	0.61	1 062.4	1951	1980	TCPL MATERIAL BALANCE
						0.64		1967	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.60	0.268	0.65	11 000	35	0.819	0.64	1 049.5	1967	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.69	0.240	0.75	10 420	49	0.843	0.64	1 279.2	1972	1986	TCPL MATERIAL BALANCE
3.13	0.181	0.55	9 750	38	0.830	0.64	1 205.3	1977	1986	
6.90	0.150	0.40	10 000	38	0.818	0.66	1 218.3	1984	1986	
								1977	1986	
2.53	0.270	0.55	3 350	16	0.930	0.58	338.1	1949	1984	CWNGNUL CNG KANNGAZ MIP PANALTA TCPL PART OF VIK POOL NO.6
2.07	0.300	0.70	2 710	20	0.943	0.57	386.2	1962	1983	CWNGNUL CNG PANALTA TCPL
8.11	0.300	0.60	2 620	25	0.946	0.56	387.3	1969	1982	CNG PANALTA MATERIAL BALANCE
6.90	0.295	0.80	2 420	18	0.950	0.57	369.2	1967	1986	KANNGAZ PANALTA TCPL MATERIAL BALANCE
2.37	0.250	0.60	2 930	26	0.946	0.57	529.7	1953	1983	CWNGNUL CNG PANALTA TCPL MATERIAL BALANCE
9.90	0.105	0.55	2 830	25	0.947	0.57	504.3	1961	1985	CWNGNUL TCPL PRODUCTION DECLINE
9.01	0.172	0.25	5 500	30	0.907	0.58	745.7	1973	1983	PANALTA PART OF DBLT POOL NO.1 MATERIAL BALANCE
5.80	0.070	0.65	21 300	90	0.827	0.82	2 255.2	1974	1986	DOMEDOW PANALTA PROGAS
6.04	0.052	0.60	21 470	89	0.814	0.83	2 302.7	1980	1986	PRODUCTION DECLINE
4.07	0.130	0.55	19 550	82	0.877	0.64	2 320.9	1975	1979	PANALTA PROGAS
2.62	0.124	0.70	16 720	71	0.829	0.72	2 233.0	1957	1975	TCPL
3.39	0.130	0.70	26 820	71	0.855	0.76	2 562.3	1965	1982	PRODUCTION DECLINE
4.32	0.114	0.70	16 980	63	0.812	0.73	2 108.0	1966	1980	MATERIAL BALANCE
1.85	0.114	0.70	16 980	64	0.812	0.73	2 118.1	1966	1980	MATERIAL BALANCE
								1966	1980	TCPL
11.75	0.115	0.90	22 900	81	0.854	0.74	2 560.8	1956	1983	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
22.06	0.084	0.85	21 110	74	0.838	0.73	2 264.7	1957	1983	TCPL MATERIAL BALANCE
8.20	0.111	0.75	22 720	83	0.872	0.73	2 503.6	1970	1986	A&S MATERIAL BALANCE
12.65	0.115	0.90	22 900	79	0.869	0.70	2 560.3	1961	1975	A&S TCPL
9.39	0.098	0.85	20 960	69	0.834	0.74	2 322.6	1972	1976	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
CROSSFIELD 026-01W5 (CONTINUED)									
ELKTON 12-029-02	534	0.85	0.15	386		386	40	15 459	400
WABAMUN A	37 500	0.75	0.52	13 500	10 311	3 189	39	123 095	29 146
OTHER	5 002			1 390	346	1 044		40 573	
TOTAL-CROSSFIELD	112 927			68 399	53 685	14 714		585 725	
CROSSFIELD EAST 029-01W5									
ELKTON A SOLN	207	0.60	0.20	99[b]			43[a]		
ELKTON A ASSOC	1 538	0.90	0.12	1 218[b]	1 236[b]	81	43[a]	3 456	1 147
ELKTON D SOLN	516	0.60	0.25	232[b]			43		
ELKTON D ASSOC	1 738	0.85	0.12	1 300[b]	1 010[b]	522	43	22 274	992
ELKTON C	706	0.85	0.10	540	481	59	43[a]	2 518	440
WABAMUN A	33 333	0.80	0.55	12 000	8 708	3 292	36	119 533	21 867
WABAMUN B	1 091	0.75	0.45	450	207	243	38[a]	9 188	1 919
OTHER	1 441			980	232	748		29 695	
TOTAL-CROSSFIELD EAST	40 570			16 819	11 874	4 945		186 664	
CROW (SA) 004-12W4									
TOTAL-CROW	24			16		16		557	
CRYSTAL 046-03W5									
VIKING A SOLN	1 328	0.43	0.15	485	132	353	42	14 932	
VIKING A ASSOC	608	0.65	0.15	336		336	42	14 213	1 605
OTHER	434			286		286		11 676	
TOTAL-CRYSTAL	2 370			1 107	132	975		40 821	
CULP 079-24W5									
DEBOLT B 078-24	555	0.85	0.10	425		425	40	17 021	1 185
OTHER	595			431		431		17 263	
TOTAL-CULP	1 150			856		856		34 284	
CUTBANK 064-09W6									
TOTAL-CUTBANK	960			671		671		25 261	
CUTPICK (SA) 060-07W6									
TOTAL-CUTPICK	61			44		44		1 647	
CYGNET 037-28W4									
TOTAL-CYGNET	1 982			1 279	14	1 265		47 669	
CYN-PEM 051-11W5									
ELLERSLIE A	549	0.75	0.10	371	34	337	37	12 614	1 429
ROCK CREEK A	980	0.75	0.15	625	224	401	37	15 009	2 211
OTHER	2 778			1 570	93	1 477		56 576	
TOTAL-CYN-PEM	4 307			2 566	351	2 215		84 199	
CYPRESS (SA) 007-01W4									
TOTAL-CYPRESS	13			8		8		290	
CZAR 041-05W4									
TOTAL-CZAR	546			351		351		13 075	
DALEHURST 053-23W5									
TOTAL-DALEHURST	105			75		75		2 948	
DALEMEAD (SA) 022-26W4									
TOTAL-DALEMEAD	63			40		40		1 572	
DAPP 062-26W4									
TOTAL-DAPP	94			64	38	26		973	
DARWELL (SA) 054-05W5									
TOTAL-DARWELL	29			19		19		711	
DARWIN 098-18W5									
TOTAL-DARWIN	498			245		245		9 628	
DAVEY 034-27W4									
BELLY RIVER A	520	0.75	0.05	371	292	79	39[a]	3 111	3 846
OTHER	1 238			717	59	658		26 210	
TOTAL-DAVEY	1 758			1 088	351	737		29 321	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.05	0.116	0.80	22 020	75	0.882	0.72	2 520.0	1978	1986	PROGAS
9.30	0.057	0.85	25 030	74	0.750	0.87	2 590.8	1954	1985	TCPL WCOAST PRODUCTION DECLINE
						0.74		1960	1979	TCPL CONCURRENT PRODUCTION
9.77	0.085	0.80	20 860	77	0.840	0.74	2 268.9	1960	1979	TCPL CONCURRENT PRODUCTION
						0.79		1961	1986	TCPL CONCURRENT PRODUCTION
9.44	0.106	0.85	20 910	77	0.825	0.79	2 307.9	1961	1986	TCPL CONCURRENT PRODUCTION
14.89	0.090	0.80	19 140	77	0.830	0.74	2 313.1	1968	1984	TCPL PRODUCTION DECLINE
9.52	0.054	0.85	24 990	83	0.743	0.90	2 670.5	1960	1986	PANALTA PROGAS TCPL MATERIAL BALANCE
7.84	0.063	0.85	24 890	74	0.733	0.95	2 647.8	1959	1981	TCPL MATERIAL BALANCE
						0.76		1976	1986	PROGAS TCPL
4.30	0.111	0.70	10 070	52	0.777	0.76	1 709.5	1976	1986	PROGAS TCPL
5.01	0.140	0.50	12 590	49	0.832	0.64	1 140.6	1973	1978	A&S PANALTA
2.17	0.120	0.80	17 470	67	0.792	0.71	2 244.9	1973	1982	KANNGAZ TCPL
3.52	0.100	0.75	17 430	79	0.839	0.73	2 251.5	1973	1986	KANNGAZ TCPL
3.69	0.170	0.65	4 090	43	0.932	0.62	1 121.1	1974	1985	NUL CWNGNUL KANNGAZ PROGAS TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
DAVID 041-03W4									
TOTAL-DAVID	200			130	2	128		4 796	
DAWSON 080-16W5									
TOTAL-DAWSON	411			259		259		9 693	
DEADMAN (SA) 082-19W4									
TOTAL-DEADMAN	32			17		17		636	
DEADWOOD 091-23W5									
TOTAL-DEADWOOD	120			76	34	42		1 651	
DEANNE 038-11W5									
TOTAL-DEANNE	51			35	10	25		973	
DECRENE 071-02W5									
CLEARWATER A	913	0.75	0.05	651	108	543	37	20 324	3 193
CLEARWATER B	423	0.80	0.05	321		321	40	12 856	3 793
OTHER	767			494	94	400		15 310	
TOTAL-DECRENE	2 103			1 466	202	1 264		48 490	
DEEP 065-03W5									
TOTAL-DEEP	99			66		66		2 718	
DEER 024-07W4									
TOTAL-DEER	390			259		259		9 588	
DELIA 032-18W4									
BELLY RIVER A	1 057	0.70	0.05	703	196	507	37	18 977	4 667
OTHER	1 892			1 173	85	1 088		41 601	
TOTAL-DELIA	2 949			1 876	281	1 595		60 578	
DEMAY 048-19W4									
TOTAL-DEMAY	117			73	16	57		2 134	
DERWENT 054-07W4									
TOTAL-DERWENT	276			184		184		6 885	
DESMARAIS 080-25W4									
TOTAL-DESMARAIS	73			45		45		1 684	
DETLOFF 081-10W6									
TOTAL-DETLOFF	63			45		45		1 718	
DEVENISH 075-08W4									
TOTAL-DEVENISH	71			37		37		1 385	
DEVIL 071-15W5									
TOTAL-DEVIL	67			45		45		1 684	
DEWBERRY 053-04W4									
TOTAL-DEWBERRY	294			210		210		7 926	
DIAMOND (SA) 010-21W4									
TOTAL-DIAMOND	78			56		56		2 180	
DICKINS (SA) 120-05W6									
TOTAL-DICKINS	17			12		12		517	
DIMSDALE 071-07W6									
TOTAL-DIMSDALE	942			586		586		22 596	
DINA 045-01W4									
TOTAL-DINA	508			338		338		12 610	
DINANT 047-19W4									
TOTAL-DINANT	544			356	38	318		11 923	
DIVIDE (SA) 082-13W4									
TOTAL-DIVIDE	6			3		3		112	
DIXONVILLE 086-01W6									
BLUESKY A	594	0.70	0.05	395	304	91	37	3 338	1 789

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.75	0.278	0.60	4 270	19	0.910	0.57	543.3	1976	1985	PANALTA
1.48	0.269	0.60	4 390	20	0.912	0.56	550.0	1975	1986	PANALTA
4.77	0.263	0.55	3 200	22	0.940	0.57	639.8	1977	1986	PANALTA SLPETRO TCPL
1.30	0.220	0.55	6 410	35	0.897	0.59	766.6	1958	1985	NUL PANALTA TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS 1 INITIAL VOLUME IN PLACE 10^6m^3	RAW GAS 2 POOL RECOVERY frac	RAW GAS 3 SURFACE LOSS frac	MARKETABLE GAS 4 INITIAL ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 5 NET CUMULATIVE PRODUCTION 10^6m^3	MARKETABLE GAS 6 REMAINING ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 7 GROSS HEAT VALUE MJ/m^3	MARKETABLE GAS 8 REMAINING ENERGY CONTENT TJ	9 AREA ha
DIXONVILLE 086-01W6 (CONTINUED)									
BLUESKY B	104	0.70	0.05	69			37		2 145
GETHING A	814	0.80	0.05	618			37		2 521
BLUESKY B & GETHING A TOTAL	918	0.80	0.05	687	434	253	37	9 280	
OTHER	1 395			939	154	785		29 725	
TOTAL-DIXONVILLE	2 907			2 021	892	1 129		42 343	
DIZZY (SA) 121-20W5									
TOTAL-DIZZY	134			91		91		3 372	
DOBSON 029-09W4									
TOTAL-DOBSON	359			234	83	151		5 782	
DOE 081-12W6									
KISKATINAW A	1 421	0.80	0.05	1 080	178	902	38	34 438	1 517
OTHER	241			171	21	150		5 614	
TOTAL-DOE	1 662			1 251	199	1 052		40 052	
DOIG 090-11W6									
TOTAL-DOIG	175			116		116		4 276	
DOLCY 041-04W4									
TOTAL-DOLCY	180			117		117		4 379	
DONALDA 041-18W4									
VIKING A							36		2 540
VIKING C							36		5 908
VIKING D							37		525
VIKING A,C & D TOTAL	622	0.75	0.05	437	398	39	36	1 416	
OTHER	1 681			1 124	252	872		31 937	
TOTAL-DONALDA	2 303			1 561	650	911		33 353	
DORENLEE 043-20W4									
TOTAL-DORENLEE	105			61	19	42		1 725	
DORIS 063-06W5									
UPPER MANNVILLE A	483	0.85	0.05	390	8	382	37[a]	14 298	771
OTHER	430			319	9	310		11 572	
TOTAL-DORIS	913			709	17	692		25 870	
DOSBURN (SA) 001-03W4									
TOTAL-DOSBURN	38			28		28		1 069	
DOUCETTE 078-02W5									
WABISKAW A 077-02	550	0.80	0.05	418		418	40	16 741	2 670
OTHER	108			70		70		2 795	
TOTAL-DOUCETTE	658			488		488		19 536	
DOWLING LAKE 032-15W4									
TOTAL-DOWLING LAKE	269			195	67	128		4 954	
DREAU (SA) 078-21W5									
TOTAL-DREAU	146			103		103		4 087	
DRIFTPILE (SA) 073-12W5									
TOTAL-DRIFTPILE	54			36		36		1 348	
DRIFTWOOD 077-22W4									
TOTAL-DRIFTWOOD	342			204		204		7 559	
DROWNED 076-23W4									
TOTAL-DROWNED	485			310	163	147		5 697	
DRUMHELLER 029-19W4									
MANNVILLE F SOLN	20	0.65	0.10	12[b]			40		
MANNVILLE F ASSOC	972	0.90	0.10	788[b]	281[b]	519	40	20 983	1 898
MANNVILLE G	399	0.85	0.10	305	101	204	40	8 248	842
MANNVILLE M	396	0.80	0.05	301	272	29	40	1 172	440
MANNVILLE W	485	0.80	0.10	349	240	109	40	4 407	440
MANNVILLE CC	668	0.80	0.10	481	78	403	44	17 801	1 914
LOWER MANNVILLE E	521	0.70	0.10	329	124	205	40	8 288	440
LOWER MANNVILLE F	458	0.85	0.10	350	18	332	41	13 609	200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.64	0.220	0.55	6 070	33	0.899	0.57	727.9	1952	1986	
3.80	0.212	0.65	6 020	34	0.904	0.56	742.3	1952	1979	
								1952	1986	CWNGNUL PANALTA
7.07	0.110	0.60	21 320	66	0.891	0.60	2 414.4	1965	1986	PROGAS
1.31	0.140	0.55	6 280	42	0.897	0.58	997.4	1960	1986	PRODUCTION DECLINE
2.05	0.200	0.55	6 280	42	0.897	0.58	1 008.4	1957	1986	PRODUCTION DECLINE
0.91	0.157	0.55	6 280	42	0.911	0.60	1 037.5	1960	1986	PRODUCTION DECLINE
								1957	1986	CNG TCPL
3.87	0.240	0.70	9 000	39	0.852	0.64	982.4	1972	1975	PANALTA TCPL
3.14	0.250	0.80	3 280	28	0.944	0.60	573.3	1973	1975	TCPL BER
						0.66		1950	1984	PROGAS TCPL CONCURRENT PRODUCTION
3.02	0.204	0.75	9 990	40	0.819	0.66	1 284.3	1950	1984	PROGAS TCPL CONCURRENT PRODUCTION
2.80	0.226	0.70	9 550	37	0.820	0.66	1 208.8	1964	1983	TCPL
2.47	0.170	0.65	9 380	38	0.805	0.67	1 340.2	1969	1981	TCPL PRODUCTION DECLINE
4.70	0.227	0.70	9 770	39	0.810	0.67	1 246.0	1973	1982	TCPL MATERIAL BALANCE
2.64	0.198	0.65	9 970	52	0.849	0.65	1 305.9	1976	1983	PANALTA TCPL
6.10	0.230	0.75	9 850	37	0.803	0.68	1 326.0	1974	1986	TCPL NONCOMMERCIAL OIL
9.25	0.270	0.80	10 140	40	0.803	0.70	1 247.0	1977	1978	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
DRUMHELLER 029-19W4 (CONTINUED)									
OTHER	5 454			3 606	1 206	2 400		96 948	
TOTAL-DRUMHELLER	9 373			6 521	2 320	4 201		171 456	
DUAGH (SA) 055-23W4									
TOTAL-DUAGH	15			10		10		374	
DUHAMEL 045-21W4									
TOTAL-DUHAMEL	1 033			565	125	440		17 187	
DUNCAN 074-15W4									
MCMURRAY F	963	0.65	0.05	595	241	354	37	13 250	22 792
GROSMONT B	2 162	0.55	0.05	1 130	1 015	115	37	4 262	26 561
OTHER	515			278	1	277		10 371	
TOTAL-DUNCAN	3 640			2 003	1 257	746		27 883	
DUNKIRK 090-18W4									
TOTAL-DUNKIRK	24			12		12		449	
DUNSTABLE (SA) 057-01W5									
TOTAL-DUNSTABLE	64			43		43		1 819	
DUNVEGAN 081-04W6									
GETHING B	1 275	0.80	0.05	969	348	621	38	23 480	2 484
GETHING C	387	0.85	0.05	313	10	303	38	11 456	200
GETHING D	820	0.85	0.05	662	150	512	38	19 359	440
DEBOLT A	4 934	0.80	0.05	3 750			40		11 565
DEBOLT B	15 131	0.80	0.05	11 500			40		12 988
DEBOLT C	12 776	0.80	0.05	9 710			40		9 182
DEBOLT D	305	0.70	0.05	203			40		200
DEBOLT D	77	0.70	0.05	51			40		200
DEBOLT D	261	0.70	0.05	174			40		200
DEBOLT D	195	0.75	0.10	131			40		200
DEBOLT A,B,C & D TOTAL	33 679	0.80	0.05	25 519	12 659	12 860	40	515 043	
OTHER	4 284			2 922	460	2 462		96 192	
TOTAL-DUNVEGAN	40 445			30 385	13 627	16 758		665 530	
DUVERNAY 055-12W4									
VIKING A	1 740	0.75	0.05	1 240			37^a		39 100
VIKING M	60	0.70	0.05	40			37		1 780
VIKING A & M TOTAL	1 800	0.75	0.05	1 280	162	1 118	37	41 847	
COLONY B	1 744	0.60	0.05	994	101	893	37	33 425	4 920
OTHER	5 575			3 791	613	3 178		118 858	
TOTAL-DUVERNAY	9 119			6 065	876	5 189		194 130	
DYBERG 044-23W4									
TOTAL-DYBERG	595			403		403		16 003	
EAGLE BUTTE (SA) 007-04W4									
TOTAL-EAGLE BUTTE	610			433		433		16 298	
EAGLESHAM 077-25W5									
DEBOLT A	509	0.90	0.05	435		435	40	17 422	742
DEBOLT E	97	0.75	0.10	66			40		200
DEBOLT G	312	0.90	0.10	253			40		402
DEBOLT E & G TOTAL	409	0.85	0.10	319	76	243	40	9 732	
OTHER	1 547			1 118	136	982		39 162	
TOTAL-EAGLESHAM	2 465			1 872	212	1 660		66 316	
EAGLESHAM NORTH 078-25W5									
TOTAL-EAGLESHAM NORTH	146			105	65	40		1 602	
EARRING 083-08W6									
TOTAL-EARRING	1 323			917	6	911		34 758	
ECONOMY (SA) 068-01W6									
TOTAL-ECONOMY	42			29		29		1 085	
EDBERG 044-19W4									
TOTAL-EDBERG	135			85	5	80		3 053	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.88	0.280	0.40	2 030	27	0.959	0.57	534.0	1971	1985	KANNGAZ
9.89	0.120	0.30	2 050	27	0.960	0.57	576.9	1972	1986	PRODUCTION DECLINE
2.94	0.241	0.75	9 140	41	0.857	0.60	919.2	1971	1981	A&S
12.95	0.200	0.80	8 890	40	0.865	0.59	904.8	1976	1976	A&S
8.95	0.280	0.75	8 940	30	0.846	0.60	905.7	1972	1983	A&S
3.35	0.141	0.60	13 840	49	0.812	0.65	1 440.0	1963	1985	
7.10	0.174	0.60	14 380	49	0.808	0.65	1 462.2	1963	1984	
7.21	0.191	0.60	15 350	49	0.805	0.65	1 497.7	1952	1984	
8.99	0.130	0.75	15 910	49	0.808	0.63	1 538.2	1979	1981	
5.73	0.110	0.35	15 910	49	0.808	0.63	1 546.6	1972	1981	
8.32	0.140	0.65	15 910	49	0.815	0.62	1 532.2	1975	1981	
9.50	0.120	0.55	14 700	54	0.821	0.64	1 535.3	1985	1986	
								1963	1986	A&S
0.88	0.242	0.50	3 930	18	0.919	0.58	454.1	1949	1984	PART OF VIK POOL NO.6
0.95	0.205	0.50	3 290	17	0.928	0.58	435.3	1972	1983	PART OF VIK POOL NO.6
								1949	1984	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
3.92	0.270	0.75	4 300	25	0.919	0.57	532.6	1972	1984	PANALTA TCPL CWNGNUL
3.35	0.180	0.75	14 410	57	0.818	0.66	1 368.6	1959	1973	PANALTA TCPL
2.74	0.140	0.75	15 410	58	0.786	0.65	1 412.0	1976	1982	
3.39	0.182	0.80	14 530	53	0.807	0.66	1 435.7	1952	1980	
								1952	1983	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
EDGERTON 045-04W4									
TOTAL-EDGERTON	1 304			878	270	608		22 583	
EDMONTON (SA) 053-23W4									
TOTAL-EDMONTON	50			32		32		1 354	
EDRA (SA) 099-24W4									
TOTAL-EDRA	105			70		70		2 594	
EDSON 052-18W5									
CARDIUM 06-051-18	402	0.85	0.10	308		308	40	12 452	200
CARDIUM FF	2 763	0.20	0.10	498			40		2 854
CARDIUM BBB	261	0.20	0.10	47			40		300
CARDIUM FF & BBB TOTAL	3 024	0.20	0.10	545	39	506	40	20 458	
VIKING A	758	0.85	0.10	580	576	4	39	157	440
VIKING B	3 704	0.75	0.10	2 500	647	1 853	39	72 823	5 314
GETHING A	5 791	0.90	0.05	4 951	3 569	1 382	39	54 313	4 784
ROCK CREEK A	546	0.90	0.10	442		442	39	17 371	200
ELKTON A		0.85	0.10				39a		45 364
SHUNDA A		0.85	0.10				39a		440
SHUNDA B		0.85	0.10				39a		440
ELK A, SHUN A & B TOTAL	56 470	0.85	0.10	43 200	35 874	7 326	39a	287 912	
OTHER	6 705			4 290	775	3 515		138 727	
TOTAL-EDSON	77 400			56 816	41 480	15 336		604 213	
EDWAND 060-16W4									
GRAND RAPIDS A	153	0.70	0.05	103			37		1 332
GRAND RAPIDS C	254	0.70	0.05	169			37		1 616
GRAND RAPIDS D	14	0.75	0.05	10			37		167
GRAND RAPIDS F	28	0.75	0.05	20			37		444
GRAND RAPIDS A,C,D&F TOTAL	449	0.70	0.05	302	153	149	37	5 577	
NISKU A	583	0.60	0.05	333	104	229	37	8 571	1 072
NISKU D	1 240	0.60	0.05	707	299	408	37	15 271	1 783
OTHER	4 038			2 689	762	1 927		72 007	
TOTAL-EDWAND	6 310			4 031	1 318	2 713		101 426	
ELIZA 055-08W4									
TOTAL-ELIZA	471			318		318		11 929	
ELK POINT 056-06W4									
TOTAL-ELK POINT	411			285	140	145		5 374	
ELKWATER (SA) 008-03W4									
TOTAL-ELKWATER	17			10		10		389	
ELLERSLIE 051-24W4									
TOTAL-ELLERSLIE	59			37	37				
ELLSCOTT 064-21W4									
TOTAL-ELLSCOTT	236			162	10	152		5 634	
ELMWORTH 070-11W6									
CADOTTE A	3 191	0.60	0.10	1 610	152	1 458	38	54 690	6 293
CADOTTE C	913	0.60	0.10	474	2	472	38	17 705	2 393
CADDTTE D	640	0.60	0.10	339	15	324	38	12 153	1 784
FALHER A-2	1 303	0.85	0.15	942			38		18 421
FALHER A-4	247	0.75	0.15	157			38		2 479
FALHER A-10	7 253	0.85	0.15	5 240			38		21 517
FALHER B-1	3 460	0.85	0.15	2 500			38		12 022
FALHER C-2	34	0.75	0.15	22			38		150
FALHER C-3	26	0.75	0.20	16			38		150
FALHER A2,4,10,B1C2&3 TOTAL	12 323	0.85	0.15	8 877	3 214	5 663	38	212 419	
FALHER A-1	8 775	0.85	0.15	6 340			38		36 252
FALHER A-5	510	0.70	0.15	303			38		6 076
FALHER A-7	412	0.85	0.15	298			38		3 567
FALHER A-8	424	0.80	0.20	271			38		300
FALHER A-9	50	0.75	0.10	34			38		300
FALHER A-11	12	0.75	0.15	8			37		887
FALHER B-3	3 709	0.85	0.15	2 680			38		9 652
FALHER B-4	5 191	0.85	0.15	3 750			38		12 870
FALHER B-5	16	0.75	0.20	10			38		128
FALHER D-2	725	0.85	0.15	524			38		3 107
FALHER B-14	212	0.85	0.15	153			38		792

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.31	0.160	0.85	19 720	68	0.813	0.87	2 223.1	1976	1980	
5.28	0.123	0.75	19 840	74	0.818	0.71	2 157.1	1976	1985	PART OF CARD POOL NO.1
5.90	0.100	0.70	19 990	61	0.807	0.68	2 216.6	1981	1985	PART OF CARD POOL NO.1
								1976	1985	TCPL PART OF CARD POOL NO.1
3.70	0.130	0.60	39 210	83	1.042	0.65	2 802.9	1974	1986	TCPL MATERIAL BALANCE
2.51	0.127	0.80	22 150	87	0.891	0.67	2 509.3	1973	1985	PANALTA TCPL MATERIAL BALANCE
7.81	0.098	0.75	23 150	83	0.877	0.68	2 545.1	1963	1977	TCPL
11.00	0.110	0.75	37 500	76	1.015	0.66	2 904.1	1977	1983	TCPL
6.25	0.104	0.90	26 600	102	0.948	0.65	2 840.1	1962	1984	PRODUCTION DECLINE
4.88	0.034	0.75	26 790	109	0.960	0.65	2 982.0	1964	1981	PRODUCTION DECLINE
4.88	0.040	0.80	26 810	103	0.953	0.65	3 027.7	1964	1981	PRODUCTION DECLINE
								1962	1981	TCPL
1.51	0.325	0.60	3 740	22	0.924	0.58	531.2	1951	1982	
2.28	0.300	0.60	3 690	22	0.927	0.57	528.2	1951	1982	
1.11	0.300	0.65	3 790	30	0.931	0.59	536.8	1951	1976	
0.83	0.300	0.65	3 790	30	0.923	0.60	539.2	1951	1976	
								1951	1977	PROGAS TCPL
3.43	0.160	0.75	3 440	23	0.934	0.56	647.6	1972	1983	TCPL PRODUCTION DECLINE
16.70	0.153	0.80	3 430	23	0.936	0.57	667.2	1972	1985	TCPL MATERIAL BALANCE
3.98	0.094	0.65	12 870	64	0.858	0.62	1 853.4	1970	1985	PANALTA TCPL DEEP CUT SL
3.32	0.106	0.70	12 160	64	0.862	0.62	1 658.9	1978	1985	PANALTA TCPL DEEP CUT SL
3.81	0.095	0.70	12 700	64	0.854	0.63	1 797.0	1978	1986	PANALTA TCPL DEEP CUT SL
2.13	0.044	0.50	15 400	71	0.843	0.65	2 138.3	1977	1985	DEEP CUT SL
2.06	0.058	0.55	15 470	71	0.842	0.65	2 074.6	1978	1985	DEEP CUT SL
4.96	0.073	0.65	15 030	72	0.865	0.63	2 061.8	1977	1986	DEEP CUT SL
4.40	0.081	0.60	13 920	69	0.860	0.63	1 917.0	1955	1986	DEEP CUT SL
3.09	0.080	0.60	15 570	71	0.846	0.64	2 034.0	1977	1985	DEEP CUT SL
1.50	0.080	0.70	22 750	85	0.869	0.72	2 103.8	1978	1985	DEEP CUT SL
								1955	1986	PANALTA PROGAS TCPL DEEP CUT SL
4.26	0.066	0.60	14 840	71	0.855	0.64	1 954.9	1970	1986	DEEP CUT SL
1.64	0.059	0.60	14 800	69	0.852	0.64	2 014.7	1976	1986	DEEP CUT SL
2.05	0.065	0.60	14 090	64	0.824	0.68	1 930.7	1970	1985	DEEP CUT SL
16.50	0.090	0.65	15 165	78	0.839	0.67	1 940.1	1976	1985	DEEP CUT SL
4.60	0.040	0.65	14 710	73	0.868	0.75	1 757.0	1978	1985	DEEP CUT SL
0.50	0.042	0.45	14 980	71	0.834	0.68	2 003.2	1978	1985	DEEP CUT SL
6.21	0.073	0.65	13 550	69	0.864	0.62	1 840.5	1978	1986	DEEP CUT SL
5.15	0.073	0.70	15 630	69	0.848	0.66	2 065.5	1976	1986	DEEP CUT SL
2.02	0.061	0.70	15 120	81	0.844	0.67	1 995.8	1979	1985	DEEP CUT SL
2.61	0.077	0.60	19 990	71	0.854	0.64	2 006.7	1976	1986	DEEP CUT SL
3.12	0.100	0.65	13 640	69	0.859	0.62	1 937.1	1955	1986	DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
ELMWORTH 070-11W6 (CONTINUED)									
FALHER MU NO. 1 TOTAL	20 036	0.85	0.15	14 371	4 556	9 815	38	368 161	
FALHER B-2	1 398	0.85	0.15	1 010	256	754	38	28 283	2 159
FALHER B-9	1 231	0.85	0.15	889	439	450	38	16 880	5 463
FALHER B-12	720	0.85	0.15	520	459	61	38	2 288	1 627
CADOMIN A	7 247	0.70	0.05	4 820	51	4 769	37	178 504	25 730
HALFWAY A	662	0.70	0.25	347		347	38	13 266	1 058
OTHER	10 487			6 834	433	6 401		240 983	
TOTAL-ELMWORTH	58 848			40 091	9 577	30 514		1 145 332	
ELNORA 035-22W4									
UPPER MANNVILLE A	557	0.75	0.05	397	276	121	41	4 983	3 654
LOWER MANNVILLE A	789	0.90	0.10	639	195	444	41	18 284	3 039
OTHER	952			600	27	573		23 392	
TOTAL-ELNORA	2 298			1 636	498	1 138		46 659	
ELTHAM (SA) 018-26W4									
TOTAL-ELTHAM	23			12		12		449	
EMPRESS 024-02W4									
TOTAL-EMPRESS	155			108		108		4 042	
ENCHANT 014-16W4									
BOW ISLAND I	421	0.80	0.05	320	227	93	37[a]	3 481	6 989
BASAL COLORADO A	780	0.85	0.05	630	524	106	37	3 968	4 363
UPPER MANNVILLE E	682	0.85	0.05	551	7	544	37[a]	20 362	3 710
UPPER MANNVILLE L	482	0.90	0.05	412	14	398	37	14 897	1 830
OTHER	5 528			3 866	1 103	2 763		104 088	
TOTAL-ENCHANT	7 893			5 779	1 875	3 904		146 796	
ENDIANG 035-16W4									
TOTAL-ENDIANG	688			466	163	303		12 478	
ENDONA (SA) 006-09W4									
TOTAL-ENDONA	23			16		16		605	
ENTICE 028-24W4									
BELLY RIVER P	562	0.60	0.05	320	211	109	36	3 958	7 055
BELLY RIVER B	693	0.60	0.05	395			36		3 359
BELLY RIVER K	804	0.60	0.05	458			36		7 401
BELLY RIVER B & K TOTAL	1 497	0.60	0.05	853	802	51	36	1 852	
OTHER	1 044			516	249	267		9 744	
TOTAL-ENTICE	3 103			1 689	1 262	427		15 554	
ERITH 048-17W5									
TOTAL-ERITH	448			327		327		13 220	
ERSKINE 039-21W4									
BLAIRMORE		0.80	0.10				41		433
BLAIRMORE		0.80	0.10				41		934
BLAIRMORE TOTAL	1 175	0.80	0.10	846	612	234	41	9 547	
D-3 SOLN	537	0.65	0.50	175[b]			42		
D-3 ASSOC	833	0.85	0.15	602[b]	399[b]	378	42	15 706	1 106
OTHER	3 155			2 042	601	1 441		57 792	
TOTAL-ERSKINE	5 700			3 665	1 612	2 053		83 045	
ESMOND (SA) 126-20W5									
TOTAL-ESMOND	11			7		7		262	
ESTHER 031-02W4									
VIKING A ASSOC	1 438	0.80	0.05	1 093		1 093	38	41 731	9 536
UPPER MANNVILLE A	618	0.80	0.05	469	210	259	38	9 793	1 976
UPPER MANNVILLE E	372	0.85	0.05	300	210	90	37	3 369	1 904
BANFF A	911	0.90	0.05	779	701	78	37	2 920	400
OTHER	2 135			1 462	416	1 046		39 135	
TOTAL-ESTHER	5 474			4 103	1 537	2 566		96 948	
ESTUARY 023-22W4									
TOTAL-ESTUARY	646			432	53	379		14 350	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1955	1986	PANALTA PROGAS TCPL DEEP CUT SL
5.27	0.118	0.70	15 150	69	0.847	0.63	1 874.8	1977	1986	TCPL DEEP CUT SL
4.03	0.062	0.60	15 290	69	0.846	0.63	2 125.2	1978	1986	TCPL DEEP CUT SL
5.81	0.078	0.65	15 320	69	0.848	0.63	1 883.4	1979	1986	TCPL DEEP CUT SL
4.88	0.050	0.60	18 810	88	0.912	0.74	2 538.6	1956	1982	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
4.73	0.080	0.65	29 750	89	0.918	0.70	2 642.0	1978	1980	PANALTA TCPL
1.41	0.186	0.70	8 200	48	0.875	0.64	1 537.2	1969	1982	CNG KANNGAZ TCPL
2.44	0.177	0.65	8 860	49	0.846	0.68	1 540.9	1969	1985	CNG TCPL
1.05	0.151	0.60	5 940	24	0.899	0.58	720.1	1972	1986	CWNG CWNGNUL PANALTA
1.47	0.200	0.70	8 800	30	0.833	0.65	872.3	1968	1982	TCPL MATERIAL BALANCE
1.25	0.200	0.60	10 820	32	0.823	0.63	999.7	1966	1982	PANALTA PROGAS TCPL
1.85	0.197	0.60	10 830	33	0.835	0.62	986.2	1966	1982	TCPL
1.16	0.230	0.60	2 960	35	0.952	0.57	741.4	1974	1985	CWNGNUL PRODUCTION DECLINE
7.14	0.214	0.60	2 960	30	0.948	0.58	791.6	1969	1985	MATERIAL BALANCE
2.93	0.208	0.55	3 240	29	0.941	0.57	821.9	1972	1985	
								1969	1985	CWNGNUL
2.87	0.130	0.60	9 650	55	0.858	0.67	1 353.3	1952	1980	PRODUCTION DECLINE
6.47	0.130	0.60	9 650	21	0.774	0.67	1 353.7	1952	1981	PRODUCTION DECLINE
								1952	1981	TCPL
						0.75		1952	1986	TCPL CONCURRENT PRODUCTION
9.41	0.063	0.80	15 340	60	0.825	0.75	1 631.6	1952	1986	TCPL CONCURRENT PRODUCTION
1.79	0.214	0.55	6 470	24	0.868	0.62	695.9	1960	1986	
2.05	0.270	0.70	7 450	27	0.875	0.59	752.6	1969	1984	MIP
0.87	0.183	0.55	7 430	25	0.867	0.59	744.6	1972	1986	MIP MATERIAL BALANCE
5.81	0.190	0.70	8 130	29	0.853	0.59	849.8	1957	1986	MATERIAL BALANCE

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
ETHEL LAKE 064-03W4									
TOTAL-ETHEL LAKE	364			221	195	26		973	
ETZIKOM 006-08W4									
BOW ISLAND A	1 913	0.75	0.05	1 363	1 283	80	35	2 785	10 256
OTHER	132			92		92		3 406	
TOTAL-ETZIKOM	2 045			1 455	1 283	172		6 191	
EUREKA (SA) 088-03W6									
TOTAL-EUREKA	95			59		59		2 208	
EVANSBURG (SA) 053-07W5									
TOTAL-EVANSBURG	184			131		131		5 541	
EVERGREEN (SA) 113-23W5									
TOTAL-EVERGREEN	11			6		6		236	
EVI 087-13W5									
TOTAL-EVI	5			4		4		150	
EWING LAKE 037-21W4									
TOTAL-EWING LAKE	165			88	13	75		2 477	
EXCELSIOR 056-24W4									
TOTAL-EXCELSIOR	1 264			859	334	525		19 122	
EXPANSE (SA) 088-04W6									
TOTAL-EXPANSE	121			81		81		3 194	
EYEHILL 041-06W4									
TOTAL-EYEHILL	166			106		106		3 968	
EYREMORE 018-18W4									
BOW ISLAND A	578	0.80	0.05	439	160	279	38	10 549	2 780
OTHER	1 018			684	55	629		23 707	
TOTAL-EYREMORE	1 596			1 123	215	908		34 256	
FAIRYDELL-BON ACCORD 057-24W4									
UPPER VIKING A	1 097	0.95	0.04	1 000			39		12 142
MIDDLE VIKING A	3 070	0.95	0.04	2 800			39		9 921
MIDDLE VIKING B	560	0.95	0.04	511			40		1 865
U VIK A & M VIK AB TOTAL	4 727	0.95	0.05	4 311	3 328	983	39	38 268	
BASAL MANNVILLE A ASSOC	526	0.90	0.05	449	100	349	37	12 934	1 083
BASAL MANNVILLE C SOLN	47	0.65	0.05	29[b]			37		
BASAL MANNVILLE C ASSOC	437	0.90	0.10	354[b]	362[b]	21	37	778	598
OTHER	779			534	52	482		18 059	
TOTAL-FAIRYDELL-BON ACCORD	6 516			5 677	3 842	1 835		70 039	
FAITH (SA) 003-12W4									
TOTAL-FAITH	140			100		100		4 305	
FARMINGTON 080-11W6									
KISKATINAW A	786	0.85	0.05	635	165	470	38	17 945	200
OTHER	169			120		120		4 607	
TOTAL-FARMINGTON	955			755	165	590		22 552	
FARRELL 034-16W4									
TOTAL-FARRELL	386			263	77	186		6 961	
FARROW 020-24W4									
TOTAL-FARROW	227			148	6	142		5 212	
FAWCETT (SA) 075-21W4									
TOTAL-FAWCETT	31			17		17		624	
FENN WEST 036-20W4									
TOTAL-FENN WEST	1 379			873	83	790		33 142	
FENN-BIG VALLEY 035-20W4									
VIKING B	681	0.80	0.10	491	454	37	43	1 593	8 105
D-2 A ASSOC	50	0.75	0.30	27			42[a]		65

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.05	0.196	0.65	5 550	25	0.909	0.60	680.6	1951	1967	PWGE MATERIAL BALANCE
2.61	0.172	0.55	7 830	29	0.876	0.58	953.0	1953	1986	PANALTA TCPL
1.46	0.240	0.50	5 110	37	0.909	0.60	802.8	1947	1984	PART OF VIK POOL NO.1
3.23	0.200	0.60	5 820	36	0.901	0.59	816.4	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
2.79	0.200	0.60	5 820	37	0.897	0.61	778.1	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
								1947	1984	CWNGNUL KANNGAZ NORCEN PANALTA PART OF VIK POOL NO.1
5.39	0.180	0.70	7 070	43	0.889	0.63	1 028.7	1951	1984	NUL CWNGNUL
						0.64		1965	1982	NORCEN PANALTA CONCURRENT PRODUCTION
6.64	0.210	0.70	7 310	42	0.882	0.64	1 058.0	1965	1982	NORCEN PANALTA CONCURRENT PRODUCTION
20.35	0.170	0.70	18 000	81	0.891	0.59	2 312.9	1977	1978	PANALTA
1.42	0.140	0.55	7 240	41	0.853	0.66	1 179.3	1952	1985	CWNGNUL PANALTA PART OF VIK POOL NO.4
4.48	0.118	0.85	12 750	48	0.660	0.96	1 597.1	1950	1984	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
FENN-BIG VALLEY 035-20W4 (CONTINUED)									
D-2 A SOLN	5 790	0.70	0.55	1 824			42[a]		
D-2 A ASSOC	28	0.75	0.30	15			42[a]		78
D-2 A ASSOC	35	0.75	0.30	18			42[a]		53
D-2 A ASSOC	254	0.75	0.30	134			42[a]		190
D-2 A ASSOC	135	0.75	0.30	71			42[a]		199
D-2 A TOTAL	6 292	0.70	0.55	2 089	1 467	622	42[a]	25 844	
OTHER	1 745			1 000	215	785		31 152	
TOTAL-FENN-BIG VALLEY	8 718			3 580	2 136	1 444		58 589	
FENNER 032-14W4									
TOTAL-FENNER	59			40		40		1 527	
FERGUSON 003-17W4									
TOTAL-FERGUSON	38			28		28		1 205	
FERINTOSH 044-21W4									
TOTAL-FERINTOSH	684			428	177	251		10 509	
FERRIER 039-08W5									
CARDIUM D ASSOC		0.85	0.10				40[a]		1 992
CARDIUM D SOLN	3 194	0.21	0.15	570[b]			40[a]		
CARDIUM D ASSOC		0.85	0.10				40[a]		1 710
CARDIUM D ASSOC		0.85	0.10				40[a]		508
CARDIUM D ASSOC		0.85	0.10				40[a]		1 266
CARDIUM D TOTAL	7 508	0.60	0.10	3 870[b]	3 260[b]	610	40[a]	24 662	
CARDIUM E ASSOC	5 988	0.90	0.10	4 850[b]			40[a]		5 059
CARDIUM E SOLN	6 197	0.17	0.15	895[b]			40[a]		
CARDIUM E ASSOC	5 703	0.90	0.10	4 620[b]			40		4 517
CARDIUM E TOTAL	17 888	0.65	0.10	10 365[b]	7 445[b]	2 920	40	118 056	
CARDIUM G ASSOC	6	0.75	0.10	5			40[a]		87
CARDIUM G ASSOC	66	0.75	0.10	45			40[a]		232
CARDIUM G & L SOLN	4 408	0.28	0.15	1 049			40		
CARDIUM G & L TOTAL	4 480	0.30	0.15	1 099	561	538	40	21 752	
CARDIUM Q	993	0.90	0.10	805			40		1 630
CARDIUM Z	321	0.85	0.10	246			40[a]		1 314
CARDIUM Q & Z TOTAL	1 314	0.90	0.10	1 051	121	930	40	37 600	
CARDIUM N ASSOC	360	0.85	0.10	275[b]			40		440
CARDIUM N SOLN	786	0.65	0.15	434[b]			40		
CARDIUM B,N & VIK A TOTAL	1 146	0.70	0.15	709[b]	578[b]	131	40[a]	5 296	
GLAUC 21-040-07	367	0.90	0.05	314		314	41	12 931	200
L PEKISKO 02-043-10	505	0.75	0.20	303		303	41	12 478	200
OTHER	7 251			4 881	367	4 514		181 051	
TOTAL-FERRIER	40 459			22 592	12 332	10 260		413 826	
FERRYBANK 044-27W4									
BELLY RIVER C	2 256	0.70	0.05	1 500	656	844	40[a]	33 802	8 570
VIKING A	906	0.60	0.05	517	166	351	39	13 794	8 392
GLAUCONITIC A	2 672	0.85	0.15	1 930	289	1 641	45	74 026	4 415
LOWER MANNVILLE I ASSOC	499	0.80	0.10	359	6	353	38	13 478	612
LOWER MANNVILLE F	432	0.85	0.10	330	226	104	38	3 971	502
LOWER MANNVILLE A		0.90	0.10				38		1 190
LOWER MANNVILLE B		0.90	0.10				38		1 214
LOWER MANNVILLE A & B TOTAL	765	0.90	0.10	620	538	82	38	3 131	
OTHER	3 572			2 466	665	1 801		72 076	
TOTAL-FERRYBANK	11 102			7 722	2 546	5 176		214 278	
FICKLE 051-19W5									
ELKTON 33-051-19	629	0.80	0.10	453		453	39	17 803	440
OTHER	2 466			1 028		1 028		40 787	
TOTAL-FICKLE	3 095			1 481		1 481		58 590	
FIGURE LAKE 063-18W4									
UPPER MANNVILLE B		0.65	0.04				37		200
D-2 B		0.65	0.04				37[a]		7 481
UPPER MANN B & D-2 B TOTAL	2 014	0.65	0.05	1 257	1 187	70	37	2 620	
OTHER	2 681			1 712	516	1 196		44 608	
TOTAL-FIGURE LAKE	4 695			2 969	1 703	1 266		47 228	
FINDLEY 057-06W6									
TOTAL-FINDLEY	1 200			901		901		35 859	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.96		1950	1984	
2.09	0.118	0.85	12 750	48	0.660	0.96	1 573.6	1950	1984	
3.89	0.118	0.85	12 750	48	0.660	0.96	1 596.7	1950	1984	
7.79	0.118	0.85	12 750	48	0.660	0.96	1 590.0	1950	1985	
3.96	0.118	0.85	12 750	48	0.660	0.96	1 778.4	1950	1984	
								1950	1984	CWNGNUL
2.06	0.157	0.90	21 820	70	0.818	0.75	2 072.9	1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.75		1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.81	0.177	0.90	21 820	70	0.832	0.71	2 037.0	1963	1984	PRODUCTION DECLINE
0.88	0.157	0.90	21 820	70	0.832	0.71	2 047.5	1963	1984	PRODUCTION DECLINE
1.55	0.104	0.75	21 820	70	0.832	0.71	2 027.7	1963	1984	PRODUCTION DECLINE
								1963	1986	A&S TCPL PROGAS CONCURRENT PRODUCTION
3.60	0.159	0.90	21 820	65	0.799	0.79	2 065.8	1965	1986	CONCURRENT PRODUCTION
						0.79		1965	1986	CONCURRENT PRODUCTION
3.84	0.159	0.90	21 820	65	0.799	0.75	2 058.9	1965	1985	
								1965	1986	A&S TCPL CONCURRENT PRODUCTION
0.49	0.090	0.70	21 170	60	0.817	0.71	2 057.7	1967	1984	
0.87	0.164	0.90	21 170	60	0.817	0.71	2 057.7	1967	1984	
						0.68		1973	1986	
								1967	1986	A&S TCPL CNG
2.86	0.125	0.80	22 000	73	0.849	0.68	2 247.1	1969	1984	
1.84	0.065	0.90	22 570	62	0.843	0.69	2 303.7	1975	1983	
						0.68		1969	1984	PANALTA PROGAS TCPL
2.78	0.074	0.90	22 340	83	0.851	0.70	2 232.4	1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.70		1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1955	1984	TCPL CONCURRENT PRODUCTION
6.00	0.180	0.75	24 300	66	0.901	0.64	2 473.5	1982	1982	
12.80	0.110	0.80	24 360	78	0.881	0.69	2 914.2	1966	1982	PROGAS
4.03	0.217	0.55	5 370	35	0.906	0.60	901.4	1955	1983	PANALTA TCPL
1.89	0.126	0.55	8 060	45	0.874	0.62	1 443.8	1955	1981	PANALTA TCPL
5.72	0.126	0.60	12 000	47	0.762	0.70	1 566.3	1954	1985	PANALTA TCPL PROGAS SOQUIP PART OF GLAUC POOL NO.3
4.79	0.191	0.70	12 490	65	0.825	0.69	1 667.4	1981	1986	TCPL CONCURRENT PRODUCTION
2.39	0.160	0.80	12 710	45	0.779	0.70	1 587.7	1970	1984	TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
2.36	0.204	0.75	13 340	63	0.795	0.73	1 710.3	1971	1985	MATERIAL BALANCE
2.25	0.196	0.70	13 340	63	0.795	0.73	1 731.2	1981	1985	MATERIAL BALANCE
								1971	1984	TCPL
7.35	0.104	0.89	26 750	106	0.955	0.63	3 140.7	1953	1981	BER
4.94	0.250	0.65	3 380	20	0.932	0.57	530.0	1958	1986	PRODUCTION DECLINE
6.53	0.151	0.60	3 540	24	0.934	0.57	680.0	1955	1986	PRODUCTION DECLINE
								1955	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
FIR 058-21W5									
DUNVEGAN 07-060-22	623	0.90	0.05	533		533	37	19 950	200
GETHING A	1 064	0.75	0.10	718		718	37	26 875	2 443
NORDEGG 04-057-20	655	0.85	0.15	473		473	43	20 538	200
TRIASSIC C	9 974	0.80	0.06	7 500	2 023	5 477	43	237 811	22 527
D-3 A	3 556	0.45	0.25	1 200	143	1 057	37	39 564	1 091
D-3 03-060-21	911	0.85	0.25	581		581	37	21 747	128
OTHER	3 627			2 351		2 351		90 429	
TOTAL-FIR	20 410			13 356	2 166	11 190		456 914	
FIRE 113-07W6									
TOTAL-FIRE	337			223	10	213		8 677	
FISHER 068-05W4									
TOTAL-FISHER	993			505	19	486		18 220	
FISHING (SA) 057-01W4									
TOTAL-FISHING	109			67		67		2 504	
FLAT 066-20W4									
MANNVILLE A	785	0.75	0.05	560	362	198	38	7 560	5 340
WABAMUN A	3 582	0.90	0.02	3 160	2 121	1 039	37a	38 505	8 290
OTHER	1 474			972	192	780		29 783	
TOTAL-FLAT	5 841			4 692	2 675	2 017		75 848	
FLOOD 085-25W5									
TOTAL-FLOOD	297			188	45	143		5 246	
FLORENCE (SA) 068-04W5									
TOTAL-FLORENCE	19			11		11		441	
FLUME 062-05W5									
TOTAL-FLUME	50			36		36		1 347	
FOLEY LAKE (SA) 065-06W5									
TOTAL-FOLEY LAKE	113			86		86		3 091	
FOREMOST 006-11W4									
BOW ISLAND	566	0.93	0.05	500	426	74	36a	2 660	6 038
OTHER	165			109	4	105		3 773	
TOTAL-FOREMOST	731			609	430	179		6 433	
FORESTBURG 042-15W4									
TOTAL-FORESTBURG	3 208			2 121	209	1 912		71 569	
FORSYTH 062-06W4									
TOTAL-FORSYTH	861			553	21	532		20 057	
FORT ASSINIBOINE 062-04W5									
TOTAL-FORT ASSINIBOINE	416			286		286		11 346	
FORT KENT 061-04W4									
TOTAL-FORT KENT	916			583	360	223		8 199	
FORT SASKATCHEWAN 054-22W4									
U VIK A & M VIK A	9 096	0.85	0.03	7 500			38a		
U VIK A & M VIK A TOTAL	9 096	0.85	0.05	7 500	7 336	164	38a	6 201	
OTHER	298			185	3	182		6 875	
TOTAL-FORT SASKATCHEWAN	9 394			7 685	7 339	346		13 076	
FORTY MILE 007-09W4									
LOWER MANNVILLE E	1 754	0.90	0.05	1 500	772	728	38	27 526	6 729
OTHER	724			515	51	464		17 025	
TOTAL-FORTY MILE	2 478			2 015	823	1 192		44 551	
FOSTER (SA) 033-27W4									
TOTAL-FOSTER	222			156		156		6 042	
FOURTH 082-09W6									
TOTAL-FOURTH	656			440		440		20 244	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
10.80	0.165	0.85	21 510	76	0.852	0.69	2 128.7	1976	1978	
3.52	0.103	0.75	18 130	92	0.882	0.66	2 642.9	1972	1981	A&S PROGAS TCPL
16.60	0.120	0.85	21 650	81	0.899	0.71	2 735.3	1980	1980	A&S PROGAS
2.28	0.106	0.75	22 940	100	0.928	0.62	2 660.0	1972	1984	A&S PROGAS TCPL PANALTA MATERIAL BALANCE
24.75	0.067	0.85	30 710	117	0.968	0.70	3 353.2	1974	1985	PROGAS TCPL KANNGAZ PANALTA
42.00	0.080	0.90	31 170	115	0.971	0.70	3 372.8	1980	1985	PANALTA PROGAS
3.00	0.120	0.50	3 340	27	0.936	0.58	569.9	1967	1986	TCPL MATERIAL BALANCE
13.35	0.226	0.40	3 380	21	0.933	0.58	565.7	1956	1982	TCPL MATERIAL BALANCE
1.52	0.200	0.80	4 830	27	0.915	0.59	692.5	1923	1981	CWNG CWNGNUL MATERIAL BALANCE
	0.210	0.60	5 550	33	0.901	0.60	780.9	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL KANNGAZ NORCEN PART OF VIK POOL NO.2
2.00	0.195	0.60	10 100	30	0.851	0.58	933.7	1965	1983	CWNGNUL PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
FOX CREEK 061-18W5									
VIKING A	3 750	0.80	0.10	2 700	2 115	585	42	24 307	8 296
VIKING B	424	0.80	0.10	305	245	60	42	2 493	200
GETHING A	4 772	0.75	0.05	3 400	316	3 084	41	126 999	10 548
OTHER	3 272			1 829	399	1 430		58 674	
TOTAL-FOX CREEK	12 218			8 234	3 075	5 159		212 473	
FRANCIS 073-22W4									
WABAMUN A	518	0.65	0.05	320		320	37	11 738	440
OTHER	204			117		117		4 367	
TOTAL-FRANCIS	722			437		437		16 105	
FRANCIS SOUTH 072-21W4									
TOTAL-FRANCIS SOUTH	40			21		21		786	
FRENCH (SA) 064-01W5									
TOTAL-FRENCH	158			112		112		4 360	
FURNESS (SA) 048-23W4									
TOTAL-FURNESS	99			68		68		2 724	
GADSBY 038-18W4									
BELLY RIVER C	1 411	0.65	0.05	871	106	765	39	29 781	5 402
OTHER	701			463	105	358		14 314	
TOTAL-GADSBY	2 112			1 334	211	1 123		44 095	
GAGE 082-03W6									
TOTAL-GAGE	731			507		507		19 358	
GALAHAD 040-15W4									
TOTAL-GALAHAD	767			505	1	504		18 958	
GALLOWAY 053-20W5									
TOTAL-GALLOWAY	1 920			743	100	643		25 506	
GAMBLER 070-21W4									
TOTAL-GAMBLER	1 022			613	136	477		17 802	
GARDEN PLAINS 033-13W4									
TOTAL-GARDEN PLAINS	533			357	142	215		8 209	
GARRINGTON 034-04W5									
CARDIUM A & B SOLN	5 600	0.10	0.45	308			38		
CARDIUM A & B TOTAL	5 600	0.10	0.45	308	70	238	38	8 999	
VIKING A ASSOC	599	0.70	0.10	440			40		5 367
VIKING A SOLN	741	0.65	0.15	410			40		
VIKING A ASSOC	68	0.60	0.10	37			40		200
VIKING A ASSOC	41	0.55	0.10	21			40		200
VIKING A ASSOC	56	0.55	0.10	28			40		200
VIKING A ASSOC	49	0.55	0.10	24			40		200
VIKING A TOTAL	1 654	0.65	0.10	960	61	899	40	36 347	
MANNVILLE B SOLN	3 742	0.80	0.25	2 246	2 057	189	38	7 146	
MANNVILLE D SOLN	221	0.65	0.30	101[b]			38		
MANNVILLE D ASSOC	1 044	0.80	0.10	752[b]	372[b]	481	38	18 187	2 991
MANNVILLE O	450	0.80	0.15	306	6	300	38	11 343	200
MANNVILLE P	562	0.85	0.10	430	37	393	38	14 859	400
LOWER MANNVILLE H	515	0.90	0.10	418	51	367	38	13 876	1 762
WABAMUN A SOLN	1 753	0.65	0.33	763[b]			38[a]		
WABAMUN A ASSOC	8 709	0.85	0.33	4 960[b]	4 159[b]	1 564	38[a]	59 135	13 888
LEDUC C	508	0.85	0.25	324	8	316	43	13 484	200
OTHER	11 289			7 926	748	7 178		273 865	
TOTAL-GARRINGTON	36 047			19 494	7 569	11 925		457 241	
GARTH 063-06W4									
TOTAL-GARTH	143			79	10	69		2 583	
GARTLEY 031-18W4									
TOTAL-GARTLEY	771			501	53	448		17 105	
GATOR 118-03W6									
TOTAL-GATOR	113			72		72		2 830	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.43	0.145	0.60	10 170	60	0.847	0.67	1 721.6	1957	1985	A&S MATERIAL BALANCE
2.74	0.145	0.60	10 070	66	0.862	0.66	1 784.4	1967	1985	A&S MATERIAL BALANCE
4.09	0.150	0.55	13 770	69	0.854	0.63	1 920.3	1957	1985	A&S PANALTA PROGAS NONCOMMERCIAL OIL
23.75	0.250	0.80	2 420	20	0.948	0.56	548.6	1965	1983	PANALTA BER
5.32	0.245	0.65	3 020	22	0.944	0.57	629.4	1979	1986	CWNGNUL KANNGAZ TCPL
								1954	1984	
								1954	1984	A&S PROGAS TCPL PANALTA
2.58	0.087	0.65	8 920	58	0.858	0.67	1 993.8	1977	1986	
						0.67		1977	1986	
8.06	0.088	0.55	8 920	63	0.864	0.67	2 133.3	1977	1984	ASSIGNED WELL 14-32-34-3 W5M
4.70	0.090	0.65	7 660	61	0.876	0.67	2 130.0	1977	1984	ASSIGNED WELL 06-30-035-03 W5M
5.99	0.085	0.75	7 660	65	0.883	0.67	2 170.9	1977	1984	ASSIGNED WELL 10-13-035-04 W5M
6.57	0.078	0.65	7 660	64	0.880	0.67	2 149.8	1977	1984	ASSIGNED WELL 01-25-035-04 W5M
								1977	1986	A&S KANNGAZ PROGAS TCPL
								1963	1985	A&S CWNGNUL TCPL
						0.72		1968	1986	PANALTA PROGAS TCPL CONCURRENT PRODUCTION
1.84	0.109	0.75	24 600	78	0.859	0.72	2 470.6	1968	1986	PANALTA PROGAS TCPL CONCURRENT PRODUCTION
9.75	0.128	0.85	21 200	79	0.808	0.76	2 525.0	1979	1982	PROGAS
8.50	0.101	0.85	19 760	76	0.837	0.70	2 557.6	1978	1979	PROGAS
1.31	0.109	0.80	27 500	72	0.886	0.69	2 449.3	1974	1982	PANALTA TCPL PROGAS
						0.76		1952	1985	PANALTA PROGAS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
8.47	0.048	0.80	24 720	74	0.838	0.76	2 644.4	1952	1985	PANALTA PROGAS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
26.21	0.048	0.85	25 510	88	0.809	0.87	3 006.7	1956	1986	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
GAYFORD 026-25W4									
TOTAL-GAYFORD	1 066			630	237	393		14 750	
GEDEON (SA) 055-07W4									
TOTAL-GEDEON	66			42		42		1 572	
GENESEE 050-03W5									
TOTAL-GENESEE	576			406		406		15 846	
GEORGE 082-05W6									
KISKATINAW D	785	0.85	0.10	600	290	310	40	12 416	2 317
OTHER	888			618	26	592		22 593	
TOTAL-GEORGE	1 673			1 218	316	902		35 009	
GERMAIN (SA) 085-22W4									
TOTAL-GERMAIN	27			13		13		476	
GHOST PINE 031-22W4									
UPPER MANNVILLE Q SOLN	20	0.65	0.10	12[b]			42		
UPPER MANNVILLE Q ASSOC	3 351	0.93	0.05	2 960[b]	320[b]	2 652	42	112 180	4 268
UPPER MANNVILLE OO	1 060	0.80	0.10	763	317	446	42	18 866	1 932
UPPER MANNVILLE C ASSOC	568	0.94	0.05	507[b]			42		2 736
UPPER MANNVILLE C SOLN	14	0.60	0.20	6[b]			42		
UPPER MANNVILLE G	632	0.94	0.05	564[b]			42		4 746
UPPER MANNVILLE H	1 198	0.94	0.05	1 070[b]			42		3 652
UPPER MANNVILLE P ASSOC	1 797	0.94	0.05	1 604[b]			42		7 181
UPPER MANNVILLE U	855	0.94	0.05	764[b]			42		971
U MANN C,G,H,P & U TOTAL	5 064	0.95	0.05	4 515[b]	3 890[b]	625	42	26 438	
UPPER MANNVILLE Y	978	0.95	0.10	836			42		3 333
UPPER MANNVILLE FF	1 286	0.95	0.05	1 160			42		3 881
U MANN Y & FF TOTAL	2 264	0.95	0.05	1 996	1 986	10	42	423	
LOWER MANNVILLE F	551	0.90	0.10	446	413	33	42	1 396	783
PEKISKO G	772	0.92	0.04	682	558	124	40	4 966	200
OTHER	7 815			4 890	1 985	2 905		120 598	
TOTAL-GHOST PINE	20 897			16 264	9 469	6 795		284 867	
GIBOS (SA) 075-02W6									
TOTAL-GIBOS	16			11		11		412	
GILBY 041-03W5									
CARDIUM C	613	0.85	0.15	442	2	440	37	16 469	2 882
GLAUCONITIC SS 34-040-04	529	0.80	0.15	360		360	41	14 825	150
BASAL MANNVILLE D	1 457	0.91	0.15	1 130	909	221	40[a]	8 935	1 150
BASAL MANNVILLE A		0.85	0.15				40[a]		2 369
JURASSIC D		0.85	0.15				40[a]		861
BSL MANN A & JUR D TOTAL	9 688	0.85	0.15	7 000	3 769	3 231	40[a]	130 629	
BASAL MANNVILLE H	1 758	0.91	0.10	1 440[b]			40[a]		2 800
BASAL MANNVILLE L ASSOC	72	0.70	0.15	43[b]			40[a]		200
JURASSIC-RUNDLE ASSOC	9 452	0.92	0.08	8 000[b]			40[a]		8 349
JURASSIC-RUNDLE SOLN	111	0.60	0.10	60[b]			40[a]		
BMN H&L,J-RUN&UMN A TOTAL	11 393	0.90	0.10	9 543[b]	7 844[b]	1 699	40[a]	68 691	
JURASSIC B SOLN	1 058	0.32	0.20	271[b]			40		
JURASSIC B ASSOC	495	0.80	0.20	317[b]	345[b]	243	40	9 824	494
JURASSIC-RUNDLE C	10 662	0.94	0.10	8 581	7 674	907	40	36 670	3 668
RUNDLE G	613	0.85	0.15	443		443	40	17 910	1 125
RUNDLE H	997	0.85	0.15	720		720	40[a]	29 110	1 428
OTHER	7 859			4 656	939	3 717		150 971	
TOTAL-GILBY	45 364			33 463	21 482	11 981		484 034	
GILWOOD 073-18W5									
TOTAL-GILWOOD	605			391	44	347		13 444	
GIROUX LAKE 066-21W5									
TOTAL-GIROUX LAKE	791			513	22	491		19 183	
GIROUXVILLE (SA) 077-23W5									
TOTAL-GIROUXVILLE	59			42		42		1 682	
GIROUXVILLE EAST 077-22W5									
GETHING A	749	0.75	0.05	534	13	521	40	20 866	1 658
OTHER	782			543	65	478		19 033	
TOTAL-GIROUXVILLE EAST	1 531			1 077	78	999		39 899	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.10	0.143	0.75	14 630	61	0.828	0.65	1 460.8	1973	1982	TCPL
						0.67		1954	1984	TCPL CONCURRENT PRODUCTION
5.39	0.207	0.65	10 340	55	0.828	0.67	1 456.2	1954	1984	TCPL CONCURRENT PRODUCTION
3.89	0.188	0.70	10 320	57	0.830	0.60	1 494.2	1967	1980	TCPL
1.66	0.178	0.55	10 550	52	0.818	0.69	1 389.9	1962	1986	CONCURRENT PRODUCTION OIL DEPLETED
						0.69		1962	1986	CONCURRENT PRODUCTION OIL DEPLETED
0.84	0.198	0.65	10 480	52	0.824	0.67	1 412.7	1955	1986	
2.23	0.198	0.65	10 450	46	0.815	0.67	1 363.5	1962	1981	
1.54	0.207	0.70	10 480	52	0.825	0.67	1 410.9	1955	1986	
5.92	0.203	0.65	10 690	55	0.822	0.68	1 415.5	1964	1986	
								1955	1981	TCPL CONCURRENT PRODUCTION OIL DEPLETED
2.11	0.198	0.65	10 450	56	0.836	0.68	1 528.9	1966	1986	
2.72	0.200	0.55	10 480	55	0.830	0.69	1 481.2	1961	1978	
								1961	1986	TCPL
5.34	0.200	0.55	10 650	52	0.824	0.68	1 471.0	1960	1981	TCPL PRODUCTION DECLINE
4.32	0.045	0.75	10 580	48	0.782	0.73	1 383.2	1962	1981	TCPL PRODUCTION DECLINE
1.01	0.096	0.85	19 380	48	0.758	0.72	1 774.8	1963	1982	A&S CWNGNUL
9.40	0.270	0.85	15 860	70	0.805	0.73	2 118.2	1977	1985	CWNGNUL
7.80	0.107	0.70	15 510	70	0.826	0.70	2 045.5	1962	1982	KANNGAZ TCPL MATERIAL BALANCE
12.65	0.137	0.70	15 980	72	0.821	0.71	2 151.3	1956	1986	MATERIAL BALANCE
5.48	0.169	0.75	15 980	72	0.817	0.71	2 173.8	1956	1986	MATERIAL BALANCE
								1956	1986	TCPL
4.91	0.120	0.65	15 870	70	0.805	0.70	2 112.9	1956	1973	MATERIAL BALANCE
1.10	0.120	0.70	15 310	73	0.810	0.72	2 045.8	1959	1982	MATERIAL BALANCE
10.52	0.133	0.65	16 060	71	0.827	0.71	2 084.5	1953	1986	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.71		1953	1986	MATERIAL BALANCE CONCURRENT PRODUCTION
								1953	1986	A&S TCPL CONCURRENT PRODUCTION
						0.73		1958	1986	A&S TCPL CONCURRENT PRODUCTION
4.94	0.159	0.80	15 890	71	0.824	0.73	2 133.0	1958	1986	A&S TCPL CONCURRENT PRODUCTION
16.68	0.130	0.75	15 750	71	0.818	0.70	2 133.6	1955	1986	TCPL MATERIAL BALANCE
5.80	0.073	0.75	17 600	77	0.833	0.69	2 195.9	1961	1982	PROGAS TCPL
6.45	0.087	0.70	17 980	77	0.822	0.74	2 231.0	1963	1985	KANNGAZ PROGAS TCPL SOQUIP
3.85	0.209	0.65	8 230	37	0.874	0.59	860.2	1980	1986	SOQUIP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
GLACIER 077-12W6									
TOTAL-GLACIER	760			544		544		21 067	
GLADYS 020-27W4									
WABAMUN A	1 500	0.50	0.20	600		600	39	23 580	2 983
OTHER	930			548	47	501		19 410	
TOTAL-GLADYS	2 430			1 148	47	1 101		42 990	
GLEICHEN 022-22W4									
MEDICINE HAT A	663	0.70	0.03	450			36[a]		14 184
SE ALTA GAS SYS(MU) TOTAL	663	0.70	0.05	450	141	309	36[a]	11 220	
GLAUCONITIC J	525	0.80	0.10	378	111	267	39	10 296	1 986
OTHER	195			134	22	112		4 222	
TOTAL-GLEICHEN	1 383			962	274	688		25 738	
GLEN PARK 049-27W4									
TOTAL-GLEN PARK	1 241			809	274	535		22 995	
GLENDON 058-08W4									
TOTAL-GLENDON	426			266	6	260		9 732	
GLENEVIS 055-04W5									
BANFF C	401	0.85	0.10	307	7	300	40	11 904	400
OTHER	743			526	31	495		19 341	
TOTAL-GLENEVIS	1 144			833	38	795		31 245	
GLOVER 075-09W4									
TOTAL-GLOVER	107			56		56		2 117	
GODIN 081-01W5									
TOTAL-GODIN	374			185		185		6 922	
GOLD CREEK 067-05W6									
BLUESKY-GETHING A	1 544	0.75	0.05	1 100	1 092	8	42	338	7 673
CADOMIN B	696	0.70	0.10	438	175	263	42[a]	10 928	812
WABAMUN A	4 104	0.45	0.30	1 293	732	561	39[a]	21 840	1 230
WABAMUN B	1 188	0.65	0.15	656		656	39[a]	25 538	200
WABAMUN 34-069-05	1 020	0.75	0.15	650		650	39	25 305	400
WABAMUN 34-069-05	517	0.70	0.15	308		308	39	11 990	200
OTHER	1 950			1 322	140	1 182		47 677	
TOTAL-GOLD CREEK	11 019			5 767	2 139	3 628		143 616	
GOLDEN 086-15W5									
TOTAL-GOLDEN	289			112	3	109		4 850	
GOLDEN SPIKE 051-27W4									
BLAIRMORE A		0.90	0.05				39		366
BLAIRMORE A		0.90	0.05				39		256
BLAIRMORE A		0.90	0.05				39		415
BLAIRMORE A		0.90	0.05				39		66
BLAIRMORE A		0.90	0.05				39		49
BLAIRMORE A		0.90	0.05				39		25
BLAIRMORE A		0.90	0.05				39		49
BLAIRMORE A		0.90	0.05				39		25
BLAIRMORE A		0.90	0.05				39		16
BLAIRMORE A TOTAL	373	0.90	0.05	319	319	< 1	39	-	
D-1 A	920	0.85	0.10	704	420	284	40	11 269	438
D-3 A SOLN	5 049	0.67	0.40	2 030[b]			42[a]		
D-3 A ASSOC		0.90	0.10		1 350[b]	680	42[a]	28 764	
OTHER	1 518			785	129	656		26 110	
TOTAL-GOLDEN SPIKE	7 860			3 838	2 218	1 620		66 143	
GOODFISH (SA) 091-09W5									
TOTAL-GOODFISH	106			66		66		2 593	
GOODRIDGE 061-02W5									
TOTAL-GOODRIDGE	621			413	35	378		15 707	
GOODWIN 059-13W5									
JURASSIC A	706	0.80	0.10	509		509	40	20 385	1 289
OTHER	526			314	8	306		12 256	
TOTAL-GOODWIN	1 232			823	8	815		32 641	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.20	0.051	0.85	22 900	66	0.861	0.76	2 517.7	1961	1981	PANALTA TCPL
1.08	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
								1904	1982	PANALTA PROGAS TCPL
1.55	0.191	0.75	10 830	43	0.818	0.66	1 354.6	1963	1985	PROGAS TCPL
8.20	0.148	0.70	10 670	41	0.819	0.66	1 332.2	1970	1985	PANALTA
2.32	0.109	0.60	22 100	70	0.831	0.70	2 126.0	1964	1983	A&S TCPL MATERIAL BALANCE
6.69	0.090	0.70	19 750	64	0.820	0.69	2 105.9	1966	1975	A&S
17.47	0.069	0.85	35 510	101	1.010	0.75	3 344.6	1964	1981	A&S MATERIAL BALANCE
37.62	0.068	0.85	35 510	101	0.988	0.82	3 494.2	1964	1981	A&S
12.05	0.101	0.85	33 870	110	1.020	0.69	3 188.8	1980	1982	PROGAS
12.00	0.100	0.85	34 180	111	0.998	0.70	3 233.3	1980	1982	PROGAS
2.23	0.170	0.60	10 070	52	0.827	0.68	1 324.1	1949	1986	
2.87	0.170	0.60	10 070	52	0.827	0.68	1 533.1	1949	1986	
4.16	0.170	0.60	10 070	52	0.827	0.68	1 325.6	1949	1986	PRODUCTION DECLINE
2.10	0.170	0.60	10 070	52	0.827	0.68	1 318.0	1949	1986	PRODUCTION DECLINE
1.77	0.170	0.60	10 070	52	0.827	0.68	1 313.4	1949	1986	
2.13	0.170	0.60	10 070	52	0.827	0.68	1 323.1	1949	1986	
3.05	0.170	0.60	10 070	52	0.827	0.68	1 331.4	1949	1986	
1.52	0.170	0.60	10 070	52	0.827	0.68	1 333.5	1949	1986	
10.06	0.170	0.60	10 070	52	0.827	0.68	1 346.3	1949	1986	
								1949	1986	
6.15	0.090	0.80	10 890	53	0.825	0.67	1 384.7	1949	1970	MATERIAL BALANCE
								1949	1986	CONCUR PROD SEC GAS CAP GAS CYCLING
								1949	1986	CONCUR PROD SEC GAS CAP GAS CYCLING
4.99	0.200	0.40	14 030	69	0.850	0.66	1 784.0	1956	1975	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
GOOSE RIVER 067-18W5									
VIKING A	535	0.85	0.05	432	11	421	42	17 493	2 356
BEAVERHILL LAKE A SOLN	2 079	0.39	0.40	487	340	147	37	5 502	
TOTAL-GOOSE RIVER	2 614			919	351	568		22 995	
GOPHER (SA) 081-19W4									
TOTAL-GOPHER	39			19		19		711	
GORDONDALE 079-10W6									
PEACE RIVER	989	0.85	0.05	799			37		3 717
NOTIKEWIN B	104	0.75	0.05	74			37		200
GETHING A	811	0.75	0.03	590			37		3 176
PEACE RIV.NOT B&GET A TOTAL	1 904	0.80	0.05	1 463	1 410	53	37	1 984	
GETHING B	439	0.85	0.05	354	328	26	38	993	200
OTHER	2 705			1 891	215	1 676		62 813	
TOTAL-GORDONDALE	5 048			3 708	1 953	1 755		65 790	
GRAHAM 079-04W4									
MCMURRAY B	1 029	0.55	0.05	538	97	441	43	18 985	4 143
OTHER	485			231	40	191		8 222	
TOTAL-GRAHAM	1 514			769	137	632		27 207	
GRAINDALE 026-02W4									
TOTAL-GRAINDALE	470			332	13	319		13 505	
GRAND FORKS 011-13W4									
TOTAL-GRAND FORKS	1 035			480	19	461		16 881	
GRANDE CACHE (SA) 059-08W6									
TOTAL-GRANDE CACHE	192			147		147		5 502	
GRANDE PRAIRIE 071-06W6									
PADDY 30-071-06	474	0.80	0.05	360		360	39	14 015	200
OTHER	1 715			1 195	1	1 194		45 577	
TOTAL-GRANDE PRAIRIE	1 715			1 195	1	1 194		45 577	
GRANLEA 008-10W4									
BOW ISLAND A	938	0.80	0.05	713	623	90	36	3 200	5 029
OTHER	228			165	51	114		4 169	
TOTAL-GRANLEA	1 166			878	674	204		7 369	
GRANOR 083-18W4									
GROSMONT A	1 293	0.40	0.05	491	218	273	41	11 242	20 233
OTHER	122			62		62		2 347	
TOTAL-GRANOR	1 415			553	218	335		13 589	
GRANUM 011-26W4									
BOW ISLAND A	541	0.65	0.10	317	28	289	37	10 817	2 407
TOTAL-GRANUM	541			317	28	289		10 817	
GRASSLAND 067-19W4									
WABAMUN-WINTERBURN A	528	0.70	0.05	352	88	264	37	9 784	2 489
OTHER	1 169			729	260	469		17 769	
TOTAL-GRASSLAND	1 697			1 081	348	733		27 553	
GRASSY (SA) 067-21W5									
TOTAL-GRASSY	26			19		19		711	
GREENCOURT 059-09W5									
JURASSIC B	548	0.85	0.10	421	1	420	40	16 821	2 214
JURASSIC A	2 750	0.80	0.10	1 980[b]			40		5 480
PEKISKO A ASSOC	2 787	0.55	0.10	1 380[b]			42		2 643
PEKISKO A SOLN	123	0.60	0.15	63[b]			42		
JURASSIC A&PEKISKO A TOTAL	5 660	0.65	0.10	3 423[b]	2 953[b]	470	42	19 881	
OTHER	633			449	139	310		13 050	
TOTAL-GREENCOURT	6 841			4 293	3 093	1 200		49 752	
GREENCOURT EAST 059-06W5									
TOTAL-GREENCOURT EAST	708			467	1	466		18 893	
GREGG (SA) 049-25W5									
TOTAL-GREGG	136			92		92		3 444	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.85	0.200	0.65	9 460	53	0.874	0.62	1 213.2	1964	1978	PANALTA
								1963	1986	TCPL
4.48	0.190	0.70	4 300	33	0.930	0.57	841.9	1952	1974	MATERIAL BALANCE
7.40	0.145	0.65	7 240	44	0.869	0.59	959.2	1957	1982	
3.38	0.120	0.70	10 150	42	0.850	0.59	1 291.7	1953	1971	MATERIAL BALANCE
								1952	1974	DOMEDOW PANALTA PROGAS WCOAST
9.87	0.120	0.70	12 470	43	0.830	0.60	1 325.6	1957	1986	WCOAST PRODUCTION DECLINE
7.42	0.300	0.60	1 810	15	0.961	0.56	235.3	1976	1984	PANALTA TCPL
12.90	0.217	0.80	10 630	56	0.869	0.59	1 348.6	1986	1986	
2.37	0.220	0.60	5 590	24	0.898	0.59	684.3	1971	1986	CWNGNUL PANALTA
14.66	0.173	0.20	1 250	17	0.973	0.57	316.1	1976	1985	PANALTA
5.13	0.120	0.65	5 850	47	0.926	0.58	1 667.3	1971	1983	CWNGNUL
4.50	0.250	0.65	2 910	29	0.944	0.57	546.9	1958	1986	PANALTA TCPL
3.86	0.090	0.60	11 030	60	0.833	0.69	1 472.2	1967	1980	DOMEDOW CWNGNUL TCPL
6.23	0.128	0.50	11 680	60	0.841	0.67	1 439.5	1961	1985	PRODUCTION DECLINE
10.77	0.117	0.75	11 210	63	0.850	0.66	1 455.4	1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1961	1985	TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
GREY (SA) 045-19W5									
TOTAL-GREY	183			130		130		5 061	
GRIMSHAW 083-23W5									
TOTAL-GRIMSHAW	88			63	10	53		2 044	
GRIST 073-09W4									
GRAND RAPIDS A	786	0.55	0.05	410		410	38	15 502	9 853
OTHER	16			10		10		375	
TOTAL-GRIST	802			420		420		15 877	
GRIZZLY 062-22W5									
TOTAL-GRIZZLY	719			536	102	434		17 872	
GROAT 057-16W5									
LEDUC A	1 199	0.85	0.30	713		713	37	26 688	630
OTHER	468			321		321		12 586	
TOTAL-GROAT	1 667			1 034		1 034		39 274	
GROUARD (SA) 075-15W5									
TOTAL-GROUARD	96			63		63		2 358	
GROUSE 074-12W4									
TOTAL-GROUSE	255			130		130		4 889	
GUNN 055-03W5									
TOTAL-GUNN	370			251	69	182		7 400	
GUTAH 099-07W6									
TOTAL-GUTAH	47			31		31		1 277	
HABAY (SA) 088-06W6									
TOTAL-HABAY	35			19		19		782	
HACKETT 035-17W4									
LOWER MANNVILLE A	750	0.80	0.09	546	538	8	41	329	977
OTHER	1 027			675	222	453		18 511	
TOTAL-HACKETT	1 777			1 221	760	461		18 840	
HADDOCK (SA) 056-16W5									
TOTAL-HADDOCK	575			367		367		14 827	
HAIRY HILL 055-14W4									
VIKING A	824	0.80	0.05	626	228	398	37	14 599	18 839
COLONY W	1 900	0.72	0.05	1 300	1 110	190	37[a]	7 108	1 781
COLONY X	954	0.65	0.05	589	478	111	38[a]	4 201	1 941
D-2 B	507	0.75	0.05	361	291	70	37	2 620	1 296
CAMROSE A	682	0.85	0.05	551	520	31	37	1 160	4 004
OTHER	3 192			2 058	784	1 274		47 604	
TOTAL-HAIRY HILL	8 059			5 485	3 411	2 074		77 292	
HALKIRK 038-16W4									
TOTAL-HALKIRK	1 836			1 142	186	956		38 531	
HALKIRK EAST 040-14W4									
TOTAL-HALKIRK EAST	671			445		445		16 657	
HALLIDAY 028-14W4									
TOTAL-HALLIDAY	120			85	16	69		2 636	
HAMBURG 095-11W6									
SLAVE POINT A	2 305	0.80	0.10	1 660	76	1 584	37	59 289	1 151
TOTAL-HAMBURG	2 305			1 660	76	1 584		59 289	
HAMELIN CREEK 080-06W6									
TOTAL-HAMELIN CREEK	631			439	142	297		11 426	
HANDHILLS (SA) 029-17W4									
TOTAL-HANDHILLS	20			14		14		524	
HANGINGSTONE 084-09W4									
UPPER MANNVILLE A	2 298	0.60	0.05	1 310		1 310	37	49 033	30 681
OTHER	660			320		320		11 955	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.53	0.305	0.65	1 580	19	0.967	0.58	328.0	1979	1983	PROGAS
13.00	0.074	0.85	26 910	90	0.906	0.78	3 054.8	1984	1986	
8.24	0.180	0.70	8 400	41	0.852	0.59	1 169.5	1952	1985	TCPL PRODUCTION DECLINE
0.75	0.255	0.50	4 320	21	0.913	0.59	488.4	1949	1986	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
8.26	0.300	0.75	4 340	25	0.916	0.58	538.1	1954	1985	TCPL MATERIAL BALANCE
5.40	0.290	0.70	4 190	27	0.920	0.58	561.3	1972	1985	CWNGNUL TCPL PRODUCTION DECLINE
5.04	0.184	0.75	4 400	22	0.915	0.58	628.6	1964	1982	TCPL PRODUCTION DECLINE
3.25	0.105	0.60	3 940	29	0.940	0.57	661.7	1973	1984	PANALTA TCPL PRODUCTION DECLINE
13.54	0.085	0.85	26 240	109	0.954	0.61	2 534.7	1983	1986	
3.50	0.350	0.60	1 000	12	0.979	0.56	306.9	1974	1986	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^{6}m^{3}	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^{6}m^{3}	NET CUMULATIVE PRODUCTION 10^{6}m^{3}	REMAINING ESTABLISHED RESERVES 10^{6}m^{3}	GROSS HEAT VALUE MJ/m^{3}	REMAINING ENERGY CONTENT TJ	ha
HANGINGSTONE 084-09W4 (CONTINUED)									
TOTAL-HANGINGSTONE	2 958			1 630		1 630		60 988	
HANLAN 047-17W5									
CARDIUM A	543	0.90	0.10	440		440	40	17 789	200
CARDIUM 03-046-17	486	0.90	0.10	393		393	37	14 710	200
WINTERBURN B	858	0.75	0.10	580	190	390	40	15 768	200
BEAVERHILL LAKE A	38 334	0.80	0.25	23 000	2 370	20 630	38^{a}	780 020	8 034
BEAVERHILL LAKE B	610	0.70	0.25	320	109	211	40	8 531	200
SWAN HILLS 046-17	1 101	0.75	0.25	620		620	37	23 207	638
OTHER	829			576		576		23 288	
TOTAL-HANLAN	42 761			25 929	2 669	23 260		883 313	
HANMORE (SA) 061-19W4									
TOTAL-HANMORE	59			37		37		1 385	
HANNA 031-14W4									
LOWER MANNVILLE E	403	0.80	0.05	306	219	87	39	3 419	1 139
LOWER MANNVILLE F	689	0.80	0.05	523	485	38	39	1 493	2 798
OTHER	1 259			815	219	596		23 247	
TOTAL-HANNA	2 351			1 644	923	721		28 159	
HANSMAN 040-04W4									
TOTAL-HANSMAN	213			140	1	139		5 209	
HARDY 076-05W4									
TOTAL-HARDY	762			390		390		14 604	
HARLECH (SA) 044-14W5									
TOTAL-HARLECH	205			147		147		5 896	
HARLEY 056-27W5									
LEDUC 15-056-27	981	0.70	0.25	515		515	44	22 748	200
OTHER	93			67		67		2 659	
TOTAL-HARLEY	1 074			582		582		25 407	
HARMATTAN EAST 032-03W5									
RUNDLE SOLN	5 592	0.40	0.30	1 570^{b}			39^{a}		
RUNDLE ASSOC	36 782	c	c	30 000^{b}	13 678^{b}	17 892	39^{a}	693 494	19 341
RUNDLE B	441	0.80	0.15	300		300	40^{a}	12 129	440
OTHER	1 155			698	95	603		24 079	
TOTAL-HARMATTAN EAST	43 970			32 568	13 773	18 795		729 702	
HARMATTAN-ELKTON 031-04W5									
RUNDLE B SOLN	18	0.65	0.30	8^{b}			40^{a}		
RUNDLE B ASSOC	2 353	0.85	0.15	1 700^{b}	1 019^{b}	689	40^{a}	27 856	5 036
RUNDLE C SOLN	5 143	0.65	0.30	2 340^{b}			41^{a}		
RUNDLE C ASSOC	31 326	c	c	23 300^{b}	6 735^{b}	18 905	41^{a}	784 179	7 020
RUNDLE A	2 400	0.25	0.14	516	409	107	42^{a}	4 446	1 013
D-3 A	13 400	0.28	0.79	788	677	111	36^{a}	3 947	4 527
OTHER	157			117		117		4 428	
TOTAL-HARMATTAN-ELKTON	54 797			28 769	8 840	19 929		824 856	
HARMON VALLEY (SA) 082-18W5									
TOTAL-HARMON VALLEY	81			50		50		1 834	
HARO 101-03W6									
BLUESKY A	3 168	0.50	0.05	1 505			37		46 591
BLUESKY A	4 531	0.70	0.05	3 013			37		26 519
BLUESKY A	28	0.70	0.05	19			37		718
BLUESKY A	654	0.70	0.05	435			37		6 557
BLUESKY A	4	0.55	0.05	2			37		200
BLUESKY A	5	0.55	0.05	3			37		200
BLUESKY A	15	0.65	0.05	10			37		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.56	0.140	0.85	26 130	79	0.884	0.70	2 653.6	1974	1976	PANALTA PROGAS
19.52	0.054	0.85	33 710	83	0.993	0.61	2 887.3	1978	1982	TCPL
44.30	0.070	0.85	60 710	123	1.290	0.74	4 133.1	1980	1986	PANALTA MATERIAL BALANCE TOP/BASE TVD
23.13	0.084	0.90	43 810	144	1.095	0.07	4 604.8	1976	1985	PANALTA
18.52	0.064	0.90	45 500	138	1.102	0.73	4 774.3	1979	1984	PANALTA
9.85	0.096	0.80	30 790	123	0.969	0.73	4 705.6	1981	1983	PANALTA
1.29	0.210	0.70	9 310	37	0.824	0.65	1 139.1	1972	1982	TCPL MATERIAL BALANCE
1.62	0.220	0.70	9 390	37	0.825	0.65	1 152.7	1949	1986	PANALTA TCPL MATERIAL BALANCE
33.53	0.060	0.80	44 110	144	0.987	0.57	4 635.0	1976	1980	PANALTA BER
						0.83		1954	1982	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING
9.14	0.088	0.73	23 600	85	0.840	0.83	2 521.3	1954	1982	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING
7.40	0.073	0.75	23 300	63	0.797	0.84	2 535.6	1970	1983	
						0.71		1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
1.70	0.092	0.80	23 670	91	0.892	0.71	2 726.9	1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
						0.84		1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
21.20	0.105	0.90	25 030	94	0.873	0.84	2 673.0	1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
10.67	0.082	0.80	25 030	96	0.890	0.71	2 788.0	1957	1982	TCPL PRODUCTION DECLINE
22.22	0.050	0.90	32 230	110	0.767	0.92	3 351.8	1961	1983	A&S MATERIAL BALANCE
2.51	0.210	0.40	3 100	19	0.936	0.58	335.3	1972	1984	PART OF BLSKY POOL NO.1
6.30	0.210	0.40	3 100	19	0.935	0.59	335.3	1972	1984	PART OF BLSKY POOL NO.1
1.43	0.210	0.40	3 100	19	0.935	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
3.68	0.210	0.40	3 100	19	0.935	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
0.90	0.160	0.40	3 080	30	0.942	0.59	638.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-10-104-5 W6M
1.20	0.160	0.40	3 130	30	0.941	0.59	637.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-18-104-5 W6M
1.30	0.160	0.40	3 190	25	0.932	0.59	449.1	1972	1982	PART OF BLSKY POOL NO.1 PRODUCTION DECLINE ASSIGNED WELL 10-28-104-5 W6M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HARO 101-03W6 (CONTINUED)									
BLUESKY A	5	0.70	0.05	4			37		200
BLUESKY A	13	0.50	0.05	7			37		200
BLUESKY A	8	0.70	0.10	5			39		200
BLUESKY A TOTAL	8 431	0.60	0.05	5 003	1 513	3 490	37	130 631	
OTHER	1 435			801	152	649		26 137	
TOTAL-HARO	9 866			5 804	1 665	4 139		156 768	
HARPER (SA) 097-24W4									
TOTAL-HARPER	14			7		7		262	
HARTELL 019-02W5									
TOTAL-HARTELL	431			92	77	15		590	
HARTMAN 067-04W5									
TOTAL-HARTMAN	23			15		15		556	
HASTINGS 050-20W4									
TOTAL-HASTINGS	241			146	106	40		1 511	
HATTONFORD (SA) 057-14W5									
TOTAL-HATTONFORD	75			48		48		1 779	
HAWK 097-20W5									
TOTAL-HAWK	32			22		22		823	
HAYNES 038-24W4									
TOTAL-HAYNES	165			93		93		3 655	
HAYS 013-14W4									
TOTAL-HAYS	682			436		436		16 609	
HAYTER 041-01W4									
TOTAL-HAYTER	376			271	1	270		10 105	
HEART LAKE 069-10W4									
TOTAL-HEART LAKE	565			309	50	259		9 761	
HEART RIVER 077-16W5									
NOTIKEWIN	1 218	0.75	0.05	868	291	577	37	21 597	3 844
OTHER	525			337	115	222		8 311	
TOTAL-HEART RIVER	1 743			1 205	406	799		29 908	
HEATHDALE 027-08W4									
TOTAL-HEATHDALE	2 619			1 894	33	1 861		70 692	
HECTOR 017-16W4									
TOTAL-HECTOR	414			301	71	230		8 661	
HELDAR 058-07W5									
TOTAL-HELDAR	1 145			784		784		30 752	
HELICOPTER 102-08W6									
TOTAL-HELICOPTER	35			24		24		961	
HELMSDALE 026-06W4									
TOTAL-HELMSDALE	85			55	20	35		1 507	
HERCULES 051-23W4									
TOTAL-HERCULES	694			439	108	331		12 324	
HERRONTON 019-26W4									
BELLY RIVER A		0.80	0.05				36		7 664
BELLY RIVER B		0.80	0.05				36		2 491
BELLY RIVER A & B TOTAL	1 619	0.80	0.05	1 230	1 097	133	36	4 829	
OTHER	565			304	89	215		7 895	
TOTAL-HERRONTON	2 184			1 534	1 186	348		12 724	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.90	0.210	0.40	3 100	24	0.933	0.59	458.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-9-105-5 W6M
4.70	0.210	0.40	1 730	27	0.963	0.59	570.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-30-106-6 W6M
1.85	0.180	0.40	3 100	30	0.945	0.65	577.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-33-104-6 W6M
								1972	1984	A&S CWNGNUL PANALTA TCPL PART OF BLSKY POOL NO.1
4.46	0.327	0.65	3 270	24	0.937	0.56	533.9	1952	1986	LOC U PANALTA
4.10	0.212	0.65	3 280	35	0.948	0.57	922.4	1973	1985	MATERIAL BALANCE
3.01	0.200	0.55	3 310	35	0.948	0.57	995.4	1973	1984	MATERIAL BALANCE
								1973	1984	CWNGNUL KANNGAZ

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
HIGH PRAIRIE (SA) 074-16W5									
TOTAL-HIGH PRAIRIE	460			323		323		12 724	
HIGH RIVER (SA) 018-29W4									
TOTAL-HIGH RIVER	190			122		122		4 566	
HIGHLAND 029-02W4									
TOTAL-HIGHLAND	392			306		306		11 556	
HIGHVALE 051-04W5									
LOWER MANNVILLE A SOLN	455	0.47	0.15	182[b]			42		
LOWER MANNVILLE A ASSOC	244	0.75	0.10	165[b]	71[b]	276	42	11 675	1 139
BANFF H SOLN	725	0.65	0.10	424	12	412	42	17 428	
OTHER	3 220			2 095	143	1 952		81 980	
TOTAL-HIGHVALE	4 644			2 866	226	2 640		111 083	
HIGHWOOD (SA) 017-02W5									
TOTAL-HIGHWOOD	3			2		2		75	
HILL 085-11W6									
TOTAL-HILL	51			36	12	24		952	
HILLSDOWN 037-25W4									
TOTAL-HILLSDOWN	252			154		154		5 951	
HINES 085-03W6									
TOTAL-HINES	1 745			1 068	272	796		30 313	
HINTON 051-25W5									
DUNVEGAN A	1 888	0.50	0.10	850	111	739	40	29 324	2 076
TOTAL-HINTON	1 888			850	111	739		29 324	
HOLBURN 050-01W5									
GLAUCONITIC 01-050-01	392	0.85	0.10	300		300	42	12 576	200
OTHER	1 211			822	167	655		27 426	
TOTAL-HOLBURN	1 603			1 122	167	955		40 002	
HOLLOW 061-20W4									
TOTAL-HOLLOW	198			126	68	58		2 170	
HOLMBERG 044-17W4									
GLAUCONITIC E	624	0.75	0.10	421	74	347	39	13 637	1 060
GLAUCONITIC G	391	0.85	0.05	315	151	164	39	6 445	582
GLAUCONITIC A	572	0.75	0.05	408			39		1 586
MANNVILLE D	241	0.70	0.05	161			39		400
GLAUC A & MANNVILLE D TOTAL	813	0.75	0.05	569	196	373	39	14 659	
OTHER	3 550			2 307	318	1 989		76 708	
TOTAL-HOLMBERG	5 378			3 612	739	2 873		111 449	
HOMEGLEN RIMBEY 043-01W5									
D-3 SOLN	2 459	0.50	0.20	984[b]			39[a]		
D-3 ASSOC	30 615	0.88	0.15	22 900[b]	23 504[b]	380	39[a]	14 591	4 661
OTHER	2 083			1 328	95	1 233		48 981	
TOTAL-HOMEGLEN RIMBEY	35 157			25 212	23 599	1 613		63 672	
HONDO 070-27W4									
TOTAL-HONDO	51			35		35		1 311	
HONEYSUCKLE (SA) 046-26W4									
TOTAL-HONEYSUCKLE	119			84		84		3 460	
HOOKER 015-29W4									
LIVINGSTONE 05-015-29	715	0.70	0.20	401		401	37	15 009	200
TOTAL-HOOKER	715			401		401		15 009	
HOOLE 081-24W4									
WABISKAW A	619	0.70	0.05	411	92	319	37	11 701	5 770
WABAMUN A	1 168	0.65	0.05	721	1	720	37	26 410	9 296
OTHER	167			101		101		3 728	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.69		1977	1986	CONCURRENT PRODUCTION
1.19	0.149	0.65	16 520	49	0.785	0.69	1 571.5	1977	1986	CONCURRENT PRODUCTION
						0.74		1981	1986	
4.26	0.110	0.55	54 200	91	1.200	0.61	3 154.4	1974	1983	PANALTA
14.40	0.158	0.65	11 690	43	0.794	0.67	1 392.7	1984	1984	SLPETRO
4.64	0.229	0.70	7 560	44	0.872	0.66	1 042.8	1970	1986	A&S
4.33	0.254	0.75	7 580	33	0.865	0.60	1 055.3	1976	1986	A&S TCPL
2.85	0.220	0.70	7 620	33	0.862	0.63	1 028.6	1971	1986	A&S TCPL
5.25	0.216	0.65	7 540	33	0.858	0.65	1 047.2	1977	1986	A&S TCPL
								1971	1986	A&S TCPL
						0.78		1953	1986	A&S TCPL PROGAS PRODUCTION DECLINE CONCURRENT PRODUCTION
52.52	0.075	0.90	19 530	82	0.855	0.78	2 387.5	1953	1986	A&S TCPL PROGAS PRODUCTION DECLINE CONCURRENT PRODUCTION
21.00	0.098	0.80	24 900	86	0.908	0.69	3 388.1	1980	1982	PROGAS
2.53	0.260	0.60	2 680	23	0.947	0.57	418.7	1967	1985	PROGAS
5.18	0.140	0.75	2 300	24	0.953	0.58	457.4	1967	1985	PANALTA PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
HOOLE 081-24W4 (CONTINUED)									
TOTAL-HOOLE	1 954			1 233	93	1 140		41 839	
HORSEFLY LAKE 008-16W4									
TOTAL-HORSEFLY LAKE	43			28		28		1 059	
HOSELAW 060-06W4									
TOTAL-HOSELAW	121			79	39	40		1 542	
HOTCHKISS 094-01W6									
BLUESKY A	965	0.80	0.05	733	726	7	39	275	5 282
BLUESKY D	195	0.65	0.05	121			39		2 323
BLUESKY E	476	0.80	0.05	362			39		4 923
SHUNDA A	3 342	0.80	0.05	2 540			40		17 368
BLUESKY G	13	0.65	0.05	8			39		200
BLUESKY D,E,G,& SHUN TOTAL	4 026	0.80	0.05	3 031	1 688	1 343	39	52 780	
DEBOLT B	652	0.50	0.05	310	204	106	40	4 245	1 878
DEBOLT A	4 316	0.70	0.05	2 870	1 882	988	40	39 569	8 039
OTHER	1 456			903	320	583		22 955	
TOTAL-HOTCHKISS	11 415			7 847	4 820	3 027		119 824	
HOUSE 082-15W4									
GROSMONT A	4 210	0.40	0.05	1 600	200	1 400	37	51 884	62 198
OTHER	248			131		131		4 904	
TOTAL-HOUSE	4 458			1 731	200	1 531		56 788	
HOWARD 079-05W6									
TOTAL-HOWARD	142			100		100		3 814	
HUDSON 030-02W4									
VIKING A	1 067	0.70	0.08	687	528	159	38	6 071	7 860
OTHER	973			683	41	642		24 372	
TOTAL-HUDSON	2 040			1 370	569	801		30 443	
HUNTER VALLEY 029-09W5									
RUNDLE A	2 844	0.75	0.25	1 600	652	948	37	35 484	1 117
TOTAL-HUNTER VALLEY	2 844			1 600	652	948		35 484	
HUSSAR 025-20W4									
BELLY RIVER A	392	0.80	0.05	298			37		4 984
BELLY RIVER D	282	0.80	0.05	215			37		3 699
BELLY RIVER E	4	0.80	0.05	3			37		128
BELLY RIVER F	13	0.80	0.05	10			37		150
BELLY RIVER A,D,E & F TOTAL	691	0.80	0.05	526	455	71	37	2 658	
MILK RIVER A	193	0.70	0.05	128			36		2 453
MEDICINE HAT A	4 344	0.70	0.03	2 950			36[a]		63 126
BELLY RIVER C	58	0.55	0.05	30			37		646
SE ALTA GAS SYS (MU) TOTAL	4 595	0.70	0.05	3 108	190	2 918	36[a]	105 953	
VIKING B	792	0.90	0.10	642	247	395	38[a]	15 081	4 583
VIKING E	413	0.80	0.05	314	296	18	38[a]	687	5 499
VIKING L	653	0.70	0.05	434	177	257	39	9 910	3 112
BASAL COLORADO A	584	0.90	0.05	500	354	146	38[a]	5 574	6 752
BASAL COLORADO C	690	0.75	0.05	492	488	4	39[a]	154	6 507
GLAUCONITIC B SOLN	105	0.65	0.15	58[b]			39[a]		
GLAUCONITIC B ASSOC	609	0.90	0.10	493[b]	411[b]	140	39[a]	5 398	1 329
GLAUCONITIC A ASSOC	2 507	0.92	0.15	1 960[b]			39		2 605
GLAUCONITIC A SOLN	572	0.65	0.25	279[b]			39		
GLAUCONITIC A ASSOC	379	0.92	0.15	296[b]			39		287
GLAUCONITIC A TOTAL	3 458	0.90	0.15	2 535[b]	1 087[b]	1 448	39	55 835	
GLAUCONITIC N	3 766	0.90	0.05	3 220	3 038	182	39[a]	7 018	5 111
GLAUCONITIC P	625	0.85	0.05	504	472	32	39[a]	1 234	200
GLAUCONITIC Q	673	0.90	0.10	545	536	9	39[a]	347	617
GLAUCONITIC R	562	0.90	0.10	455	395	60	39[a]	2 314	200
GLAUCONITIC FF	475	0.80	0.05	361	352	9	39[a]	347	200
GLAUCONITIC JJ	1 412	0.75	0.10	953	224	729	39	28 110	6 069
GLAUCONITIC III	727	0.70	0.10	458	89	369	39	14 229	2 849
OSTRACOD F	753	0.90	0.10	610	53	557	39[a]	21 478	3 359
OSTRACOD R	685	0.80	0.05	521	234	287	39[a]	11 067	2 952
BASAL MANNVILLE B	1 369	0.80	0.10	986	14	972	39[a]	37 480	953

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.56	0.250	0.50	5 450	23	0.903	0.61	674.4	1971	1981	PANALTA TCPL MATERIAL BALANCE
1.30	0.210	0.55	5 450	33	0.905	0.58	715.1	1974	1983	
1.43	0.210	0.55	5 450	22	0.898	0.56	645.4	1976	1979	
3.22	0.186	0.55	5 430	23	0.893	0.58	678.9	1975	1986	
1.00	0.180	0.70	4 753	25	0.890	0.61	663.4	1977	1980	
								1974	1985	PANALTA TCPL
4.39	0.230	0.60	5 460	27	0.903	0.58	688.5	1972	1984	PANALTA
5.12	0.210	0.50	5 500	30	0.907	0.58	726.3	1973	1986	PANALTA PART OF DBLT POOL NO.1 MATERIAL BALANCE
26.86	0.120	0.15	1 390	18	0.970	0.57	314.5	1973	1982	PANALTA PROGAS
1.82	0.220	0.40	6 570	32	0.892	0.58	731.1	1954	1985	PANALTA TCPL PART OF VIK POOL NO.5 PRODUCTION DECLINE
16.21	0.058	0.80	24 670	64	0.840	0.67	2 634.6	1962	1984	A&S TCPL MATERIAL BALANCE
2.12	0.250	0.50	2 960	27	0.945	0.57	629.9	1960	1985	
1.91	0.250	0.50	3 170	27	0.941	0.57	638.0	1960	1985	
0.81	0.250	0.50	3 170	27	0.941	0.57	662.9	1968	1985	
2.16	0.250	0.50	3 170	27	0.941	0.57	694.4	1965	1985	
								1960	1985	CWNGNUL TCPL
2.82	0.154	0.55	3 140	16	0.938	0.56	798.8	1910	1983	
1.59	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
2.22	0.205	0.60	3 170	20	0.939	0.69	649.7	1964	1984	TCPL
								1904	1984	PROGAS TCPL
1.50	0.203	0.70	7 740	40	0.867	0.63	1 229.0	1955	1985	TCPL
1.08	0.203	0.70	7 930	38	0.860	0.63	1 127.8	1961	1982	TCPL PRODUCTION DECLINE
3.23	0.154	0.55	7 250	33	0.878	0.60	1 056.6	1955	1985	TCPL
1.06	0.169	0.70	8 550	44	0.877	0.60	1 320.1	1952	1984	TCPL MATERIAL BALANCE
1.07	0.177	0.70	8 470	45	0.880	0.61	1 255.8	1955	1986	TCPL MATERIAL BALANCE
						0.67		1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.29	0.203	0.70	10 140	45	0.830	0.67	1 434.0	1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
5.14	0.227	0.75	10 200	44	0.832	0.64	1 426.5	1952	1986	CONING GAS CAP
						0.64		1952	1986	CONING GAS CAP
7.19	0.219	0.75	10 240	44	0.832	0.64	1 439.6	1952	1986	CONING GAS CAP
								1952	1986	TCPL CONING GAS CAP
4.38	0.209	0.70	10 140	44	0.831	0.64	1 366.0	1955	1984	TCPL PRODUCTION DECLINE
17.37	0.220	0.75	10 270	44	0.824	0.65	1 375.0	1957	1984	TCPL MATERIAL BALANCE
3.23	0.208	0.70	10 140	44	0.817	0.67	1 401.2	1960	1980	TCPL MATERIAL BALANCE
17.27	0.210	0.70	10 270	44	0.833	0.64	1 416.4	1960	1973	TCPL MATERIAL BALANCE
1.85	0.220	0.75	10 070	44	0.831	0.64	1 402.7	1968	1984	TCPL PRODUCTION DECLINE
2.29	0.170	0.55	9 900	43	0.827	0.70	1 419.4	1960	1986	TCPL
2.23	0.187	0.55	10 000	39	0.819	0.65	1 245.4	1962	1986	TCPL
1.40	0.211	0.75	9 470	44	0.840	0.65	1 394.8	1956	1973	TCPL
1.74	0.200	0.70	10 220	46	0.818	0.67	1 449.1	1956	1984	TCPL MATERIAL BALANCE
12.17	0.150	0.70	10 160	42	0.816	0.67	1 370.6	1960	1985	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
HUSSAR 025-20W4 (CONTINUED)									
OTHER	11 055			7 178	2 242	4 936		190 002	
TOTAL-HUSSAR	34 692			24 893	11 354	13 539		514 876	
HUXLEY 034-24W4									
VIKING A		0.70	0.05				41		4 798
UPPER MANNVILLE A		0.70	0.05				41		200
LOWER MANNVILLE A		0.70	0.05				41		200
VIK A,UMN A & LMN A TOTAL	1 699	0.70	0.05	1 130	789	341	41	14 042	
OTHER	1 036			627	83	544		21 872	
TOTAL-HUXLEY	2 735			1 757	872	885		35 914	
HYLO 065-15W4									
LOWER MANNVILLE A	760	0.70	0.05	505	162	343	37	12 838	6 383
OTHER	1 289			822	262	560		20 918	
TOTAL-HYLO	2 049			1 327	424	903		33 756	
HYTHE 073-10W6									
TOTAL-HYTHE	1 714			1 250		1 250		47 725	
INLAND 051-15W4									
TOTAL-INLAND	3 078			1 648	459	1 189		44 543	
INNISFAIL 035-01W5									
D-3 SDLN	5 910	0.60	0.45	1 950	1 845	105	38	4 009	
OTHER	1 701			996	14	982		38 658	
TOTAL-INNISFAIL	7 611			2 946	1 859	1 087		42 667	
INVERNESS (SA) 068-12W5									
TOTAL-INVERNESS	82			54		54		2 021	
IOSEGUN (SA) 067-20W5									
TOTAL-IOSEGUN	102			78		78		2 891	
IPIATIK 072-09W4									
GRAND RAPIDS A	796	0.60	0.05	454	86	368	39	14 326	9 444
GRAND RAPIDS B	655	0.50	0.05	312	170	142	37	5 263	7 281
OTHER	478			252	75	177		6 670	
TOTAL-IPIATIK	1 929			1 018	331	687		26 259	
IRON SPRINGS 011-20W4									
TOTAL-IRON SPRINGS	238			161		161		6 268	
IRRICANA 027-27W4									
WABAMUN A	1 333	0.45	0.25	450	396	54	37	1 981	801
WABAMUN B	1 081	0.55	0.20	476		476	37	17 460	1 930
OTHER	296			187	54	133		4 890	
TOTAL-IRRICANA	2 710			1 113	450	663		24 331	
ISLAY 050-04W4									
TOTAL-ISLAY	90			63	4	59		2 098	
JACK 085-04W6									
TOTAL-JACK	279			195	43	152		5 765	
JARVIE 063-01W5									
VIKING A	505	0.80	0.05	384	6	378	39	14 716	5 046
ELLERSLIE B	496	0.75	0.05	353	61	292	41	12 025	2 017
OTHER	1 302			857	83	774		31 466	
TOTAL-JARVIE	2 303			1 594	150	1 444		58 207	
JARVIE NORTH 064-02W5									
TOTAL-JARVIE NORTH	413			276		276		11 211	
JASLAN 067-21W4									
TOTAL-JASLAN	110			72		72		2 725	
JEAN (SA) 098-24W4									
TOTAL-JEAN	131			67		67		2 507	
JEFFREY 059-23W4									
TOTAL-JEFFREY	220			144	1	143		5 351	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.04	0.137	0.40	8 570	52	0.873	0.63	1 490.0	1962	1986	PRODUCTION DECLINE
2.10	0.180	0.50	11 250	60	0.830	0.68	1 592.5	1963	1985	PRODUCTION DECLINE
2.70	0.190	0.65	11 420	62	0.840	0.68	1 686.0	1962	1985	PRODUCTION DECLINE
								1962	1985	TCPL
3.51	0.244	0.55	2 460	19	0.948	0.57	482.2	1972	1982	TCPL
								1957	1976	TCPL
2.42	0.296	0.70	1 630	13	0.964	0.56	317.2	1974	1986	PANALTA SLPETRO
2.79	0.282	0.70	1 590	14	0.965	0.57	318.0	1974	1986	PANALTA SLPETRO
4.07	0.050	0.70	24 340	74	0.913	0.66	2 317.3	1958	1986	WCOAST PRODUCTION DECLINE
6.52	0.054	0.70	24 200	71	0.880	0.72	2 345.8	1969	1986	KANNGAZ PANALTA PROGAS
1.34	0.209	0.60	5 680	31	0.892	0.59	673.6	1960	1985	KANNGAZ PANALTA
2.60	0.219	0.65	6 460	40	0.883	0.62	905.9	1965	1986	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
JENNER 020-09W4									
MILK RIVER A	5 278	0.70	0.05	3 510			36[a]		38 808
MEDICINE HAT A	1 914	0.70	0.03	1 300			36[a]		35 954
MEDICINE HAT C	74	0.50	0.03	36			36[a]		2 857
MEDICINE HAT D	144	0.50	0.03	70			36[a]		5 026
SECOND WHITE SPECKS A	1 585	0.75	0.05	1 130			36		19 983
SE ALTA GAS SYS(MU) TOTAL	8 995	0.70	0.05	6 046	1 636	4 410	36[a]	160 127	
VIKING J	436	0.80	0.05	332	103	229	36	8 315	2 968
BASAL COLORADO D	669	0.85	0.05	541	32	509	39	19 815	2 166
ARCS A	547	0.80	0.20	350	81	269	37	10 069	400
OTHER	4 144			2 649	369	2 280		88 177	
TOTAL-JENNER	14 791			9 918	2 221	7 697		286 503	
JILES 063-21W4									
TOTAL-JILES	318			187	42	145		5 535	
JOAN (SA) 092-10W5									
TOTAL-JOAN	100			66		66		2 471	
JOARCAM 048-21W4									
VIKING SOLN	1 360	0.53	0.40	433[b]			39		
VIKING ASSOC	1 616	0.80	0.35	840[b]	1 161[b]	112	39	4 360	13 200
VIKING C SOLN	5	0.60	0.05	3[b]			39		
VIKING C ASSOC	977	0.60	0.05	557[b]	28[b]	532	39	20 711	19 446
ELLERSLIE 03-049-21	440	0.85	0.05	355		355	36	12 759	200
BSL QUARTZ 30-050-22	420	0.85	0.10	321		321	36	11 537	200
OTHER	2 032			1 330	78	1 252		45 726	
TOTAL-JOARCAM	6 850			3 839	1 267	2 572		95 093	
JOFFRE 038-26W4									
UPPER MANNVILLE A	393	0.85	0.15	284			40		205
UPPER MANNVILLE B	73	0.65	0.10	42			40		200
BLAIRMORE C	466	0.85	0.15	337			40		1 485
U MANN A&B,BLAIR C TOTAL	932	0.85	0.15	663	450	213	40	8 531	
D-2 SOLN	3 497	0.36	0.60	504	457	47	44	2 076	
OTHER	4 102			2 173	417	1 756		67 271	
TOTAL-JOFFRE	8 531			3 340	1 324	2 016		77 878	
JOHN LAKE 055-01W4									
TOTAL-JOHN LAKE	699			435	18	417		15 704	
JOHNSON 016-14W4									
MILK RIVER A	535	0.70	0.05	356			36[a]		3 833
MEDICINE HAT A	17	0.70	0.03	12			36[a]		842
SECOND WHITE SPECKS A	137	0.75	0.05	98			36		2 414
SE ALTA GAS SYS(MU) TOTAL	689	0.70	0.05	466	11	455	36[a]	16 521	
OTHER	333			229		229		9 346	
TOTAL-JOHNSON	1 022			695	11	684		25 867	
JOLI FOU (SA) 081-20W4									
TOTAL-JOLI FOU	42			22		22		823	
JOLIET 025-07W4									
TOTAL-JOLIET	113			80		80		2 995	
JOSEPHINE 083-09W6									
KISKATINAW A	991	0.70	0.05	659	506	153	38	5 842	1 600
OTHER	46			32		32		1 209	
TOTAL-JOSEPHINE	1 037			691	506	185		7 051	
JOUSSARD (SA) 074-14W5									
TOTAL-JOUSSARD	240			167		167		6 251	
JUDSON (SA) 007-12W4									
TOTAL-JUDSON	24			16		16		599	
JUDY CREEK 063-11W5									
VIKING A SOLN	288	0.65	0.30	131[b]			38		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.38	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.23	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.66	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.73	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
1.02	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1982	PANALTA TCPL
								1904	1986	PANALTA TCPL
1.35	0.242	0.60	6 760	23	0.867	0.59	745.9	1971	1984	TCPL
2.11	0.226	0.65	8 950	28	0.848	0.61	855.5	1980	1983	TCPL
11.30	0.131	0.80	10 500	46	0.810	0.80	1 214.2	1981	1983	TCPL NONCOMMERCIAL OIL
						0.64		1949	1986	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
1.96	0.170	0.60	5 960	38	0.890	0.64	987.6	1949	1986	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
						0.62		1949	1985	NUL CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION
0.91	0.184	0.50	6 000	42	0.903	0.62	985.1	1949	1985	NUL CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION
17.75	0.210	0.65	8 620	37	0.871	0.59	1 191.2	1979	1980	
17.70	0.200	0.65	8 620	39	0.860	0.60	1 211.9	1960	1973	NUL CWNGNUL
3.91	0.226	0.89	14 180	68	0.780	0.78	1 761.0	1967	1980	MATERIAL BALANCE
3.35	0.120	0.75	11 200	54	0.803	0.71	1 784.3	1964	1982	
1.68	0.147	0.70	16 110	56	0.771	0.74	1 825.3	1958	1985	
								1954	1984	CWNGNUL TCPL
								1956	1982	TCPL
3.80	0.154	0.55	3 140	16	0.938	0.56	355.7	1910	1986	PRODUCTION DECLINE
0.48	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
0.73	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1978	TCPL
								1904	1986	TCPL
9.27	0.130	0.70	15 640	69	0.839	0.66	1 749.9	1974	1986	TCPL MATERIAL BALANCE
						0.63		1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
JUDY CREEK 063-11W5 (CONTINUED)									
VIKING A ASSOC	2 753	0.91	0.10	2 250[b]	2 194[b]	187	38	7 070	8 965
BEAVERHILL LAKE A SOLN	19 240	0.45	0.30	6 061	4 763	1 298	41[a]	52 958	
BEAVERHILL LAKE B SOLN	7 618	0.45	0.20	2 742	2 159	583	41[a]	23 786	
OTHER	570			406	-150	556		21 965	
TOTAL-JUDY CREEK	30 469			11 590	8 966	2 624		105 779	
JUDY CREEK SOUTH 062-12W5									
TOTAL-JUDY CREEK SOUTH	729			418	55	363		14 329	
JUMPBUSH 019-20W4									
BOW ISLAND 020-21	575	0.75	0.05	409		409	38[a]	15 464	1 947
OTHER	776			509		509		19 535	
TOTAL-JUMPBUSH	1 351			918		918		34 999	
JUMPING POUND 025-04W5									
MISSISSIPPIAN	5 435	0.88	0.17	4 700			39[a]		469
MISSISSIPPIAN	18 209	0.88	0.17	13 300			39		1 485
MISSISSIPPIAN TOTAL	24 644	0.90	0.15	18 000	14 056	3 944	39[a]	154 999	
OTHER	154			103		103		3 855	
TOTAL-JUMPING POUND	24 798			18 103	14 056	4 047		158 854	
JUMPING POUND WEST 025-06W5									
RUNDLE C	22 059	0.85	0.20	15 000	5 295	9 705	39[a]	377 816	4 086
RUNDLE A		0.85	0.20				39[a]		7 891
RUNDLE B		0.85	0.20				39[a]		1 143
RUNDLE A & B TOTAL	52 941	0.85	0.20	36 000	15 195	20 805	39[a]	809 939	
PEKISKO 19-026-06	503	0.85	0.15	364		364	39	14 171	200
MID TURNER VALL36-024-06	1 481	0.90	0.10	1 200		1 200	39	46 716	512
TURNER VALLY 36-024-06	727	0.90	0.20	523		523	39	20 360	512
TOTAL-JUMPING POUND WEST	77 711			53 087	20 490	32 597		1 269 002	
KAHNTAH (SA) 097-17W5									
TOTAL-KAHNTAH	63			38		38		1 427	
KAKISA (SA) 117-01W6									
TOTAL-KAKISA	20			14		14		550	
KAKUT 075-03W6									
TOTAL-KAKUT	328			232		232		8 683	
KAKWA 064-05W6									
KAKWA A CARDIUM A SOLN	1 001	0.65	0.25	488		488	43[a]	20 842	
KAKWA A CARDIUM A ASSOC	1 120	c	c	840		840	43[a]	35 876	3 432
OTHER	2 640			1 767	180	1 587		60 162	
TOTAL-KAKWA	4 761			3 095	180	2 915		116 880	
KALELAND (SA) 054-13W4									
TOTAL-KALELAND	148			101		101		3 884	
KARR 065-03W6									
BLUESKY A	14 519	0.75	0.10	9 800	770	9 030	38	341 424	21 900
OTHER	3 137			2 056	123	1 933		75 822	
TOTAL-KARR	17 656			11 856	893	10 963		417 246	
KAYBOB 064-19W5									
NOTIKEWIN A	8 347	0.85	0.05	6 740	5 194	1 546	41[a]	63 664	12 306
NOTIKEWIN B	5 380	0.90	0.05	4 600	4 020	580	41[a]	23 884	13 652
GETHING H	742	0.75	0.10	501		501	39	19 689	1 408
CADOMIN B SOLN	328	0.65	0.55	96[b]			39		
CADOMIN B ASSOC	1 920	0.85	0.05	1 550[b]	429[b]	1 217	39	47 402	1 873
CADOMIN J	353	0.90	0.05	302		302	39	11 757	200
BEAVERHILL LAKE A SOLN	9 492	0.42	0.16	3 349	2 394	955	43[a]	40 750	
BEAVERHILL LAKE B SOLN	552	0.65	0.15	305[b]			43		
BEAVERHILL LAKE B ASSOC	122	0.75	0.15	78[b]	99[b]	284	43	12 118	333
BEAVERHILL LAKE C	1 960	c	c	1 500	120	1 380	41	56 704	2 457
OTHER	4 697			3 280	92	3 188		125 655	
TOTAL-KAYBOB	33 893			22 301	12 348	9 953		401 623	
KAYBOB SOUTH 060-18W5									
VIKING A	585	0.90	0.05	501	306	195	42	8 174	1 554

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.40	0.178	0.65	8 890	56	0.880	0.63	1 387.1	1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.87		1959	1986	CWNG A&S
						0.87		1959	1985	CWNG A&S
2.69	0.215	0.65	7 380	29	0.884	0.59	1 134.5	1973	1975	DOME PROGAS
38.71	0.079	0.90	27 410	82	0.926	0.70	3 013.6	1944	1984	MATERIAL BALANCE
43.28	0.079	0.90	27 410	82	0.926	0.70	2 989.5	1944	1984	MATERIAL BALANCE
								1944	1983	CWNGNUL
40.38	0.061	0.85	29 470	83	0.913	0.74	3 478.1	1967	1986	CWNGNUL TCPL
35.87	0.070	0.85	29 510	79	0.916	0.70	3 313.1	1961	1984	MATERIAL BALANCE TOP/BASE TVD
36.82	0.068	0.85	29 600	88	0.925	0.75	3 588.5	1963	1986	MATERIAL BALANCE TOP/BASE TVD
								1961	1984	CWNGNUL TCPL
13.41	0.100	0.75	30 561	104	0.922	0.74	3 430.1	1977	1979	CWNGNUL TOP/BASE TVD
27.82	0.070	0.80	22 630	103	0.922	0.66	3 496.9	1983	1986	TOP/BASE TVD
20.60	0.058	0.60	23 960	105	0.910	0.72	3 554.2	1983	1986	TOP/BASE TVD
						0.85		1978	1986	TCPL GAS CYCLING
1.48	0.140	0.70	20 990	55	0.734	0.85	1 712.3	1978	1986	TCPL GAS CYCLING
3.91	0.124	0.65	20 290	69	0.802	0.77	2 301.1	1968	1984	KANNGAZ PANALTA SLPETRO TCPL
4.03	0.200	0.65	10 550	40	0.828	0.63	1 442.7	1957	1986	A&S MATERIAL BALANCE
2.84	0.159	0.65	9 790	56	0.873	0.61	1 504.9	1957	1986	A&S MATERIAL BALANCE
3.63	0.146	0.70	14 540	75	0.837	0.68	1 874.2	1981	1985	
						0.65		1957	1986	CONCURRENT PRODUCTION
6.16	0.160	0.70	15 240	71	0.848	0.65	1 767.8	1957	1986	CONCURRENT PRODUCTION
10.49	0.160	0.70	15 240	71	0.838	0.65	1 784.3	1960	1975	
						0.80		1957	1975	A&S
						0.74		1961	1979	A&S CONCURRENT PRODUCTION
3.10	0.065	0.75	30 680	108	0.948	0.74	2 927.6	1961	1979	A&S CONCURRENT PRODUCTION
6.54	0.065	0.75	30 540	108	0.911	1.06	2 957.8	1961	1986	A&S GAS CYCLING
3.42	0.144	0.60	10 000	66	0.864	0.66	1 712.9	1960	1985	A&S MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
KAYBOB SOUTH 060-18W5 (CONTINUED)									
GETHING A	843	0.75	0.05	600	262	338	40	13 537	1 409
GETHING B	1 488	0.80	0.10	1 071	78	993	40[a]	39 770	2 854
GETHING D	1 535	0.85	0.10	1 175	133	1 042	40[a]	41 732	3 128
CADOMIN A	1 106	0.90	0.05	946	440	506	40[a]	20 265	734
CADOMIN B	407	0.90	0.10	330		330	40[a]	13 217	202
CADOMIN D	507	0.85	0.05	409	342	67	40[a]	2 683	440
CADOMIN K	484	0.75	0.05	345	264	81	40	3 244	200
TRIASSIC A SOLN	4 259	0.53	0.25	1 693	1 536	157	43[a]	6 817	
TRIASSIC A ASSOC	1 789	0.40	0.20	573	-108	681	43[a]	29 569	2 570
TRIASSIC B	2 206	0.80	0.15	1 500	384	1 116	42[a]	47 207	1 721
NISKU A	533	0.90	0.20	384		384	43[a]	16 673	482
BEAVERHILL LAKE A	104 424	c	c	36 400	12 089	24 311	40[a]	982 164	20 015
OTHER	7 621			5 090	423	4 667		187 986	
TOTAL-KAYBOB SOUTH	127 787			51 017	16 149	34 868		1 413 038	
KEHIWIN 059-06W4									
GRAND RAPIDS A	619	0.75	0.05	441	95	346	37	12 951	3 463
OTHER	811			512	153	359		13 438	
TOTAL-KEHIWIN	1 430			953	248	705		26 389	
KEHO 011-22W4									
TOTAL-KEHO	713			464	199	265		10 028	
KELSEY 044-18W4									
BELLY RIVER B	613	0.75	0.05	437	231	206	39	8 096	4 901
OTHER	1 440			905	35	870		33 716	
TOTAL-KELSEY	2 053			1 342	266	1 076		41 812	
KEMP (SA) 098-23W5									
TOTAL-KEMP	14			9		9		360	
KENT 062-02W4									
GRAND RAPIDS B	659	0.70	0.05	438	49	389	37	14 560	4 638
OTHER	338			191	49	142		5 312	
TOTAL-KENT	997			629	98	531		19 872	
KETCHUM 006-06W4									
TOTAL-KETCHUM	54			37	20	17		598	
KETTLE (SA) 082-07W4									
TOTAL-KETTLE	20			11		11		415	
KIDNEY 091-04W5									
TOTAL-KIDNEY	13			7		7		262	
KILLAM 043-10W4									
UPPER & MID VIKING A	1 924	0.75	0.03	1 400	1 052	348	38	13 158	64 713
ELLERSLIE C	554	0.80	0.05	421	93	328	37	12 277	2 815
OTHER	8 270			5 457	1 204	4 253		159 598	
TOTAL-KILLAM	10 748			7 278	2 349	4 929		185 033	
KILLAM NORTH 044-13W4									
UPPER & MID VIKING A		0.70	0.03				38		55 971
BASAL MANNVILLE C		0.70	0.03				38		202
NISKU A		0.70	0.03				37		32
U&M V A,BMN C & NIS A TOTAL	1 620	0.70	0.05	1 100	843	257	38	9 717	
UPPER MANNVILLE P	467	0.75	0.05	333	99	234	37	8 759	1 365
OTHER	5 936			3 920	840	3 080		115 318	
TOTAL-KILLAM NORTH	8 023			5 353	1 782	3 571		133 794	
KILSYTH 065-04W5									
TOTAL-KILSYTH	40			25		25		935	
KIMIWAN 079-20W5									
TOTAL-KIMIWAN	267			181	61	120		4 807	
KINGMAN 049-19W4									
TOTAL-KINGMAN	503			331	28	303		11 697	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.01	0.139	0.70	14 790	83	0.879	0.63	2 153.7	1959	1983	CNG PANALTA PROGAS
3.79	0.137	0.75	14 140	80	0.851	0.67	1 970.2	1969	1982	CNG PANALTA PROGAS TCPL
4.40	0.124	0.65	14 110	57	0.879	0.67	2 101.1	1977	1983	PANALTA PROGAS
7.16	0.148	0.65	15 380	83	0.870	0.64	2 045.2	1958	1973	DOMEDOW A&S
5.79	0.148	0.65	16 580	84	0.874	0.63	2 129.0	1968	1973	DOMEDOW
8.02	0.150	0.65	15 130	80	0.864	0.64	2 000.7	1967	1986	A&S PRODUCTION DECLINE
6.40	0.148	0.65	14 630	80	0.865	0.64	2 058.1	1963	1982	PRODUCTION DECLINE
						0.82		1962	1986	A&S
3.92	0.127	0.75	17 060	73	0.752	0.82	2 066.0	1962	1986	A&S
3.47	0.111	0.80	19 310	91	0.849	0.73	2 382.1	1976	1986	DOMEDOW PROGAS TCPL MATERIAL BALANCE
12.19	0.050	0.80	28 270	108	0.930	0.79	2 907.7	1958	1984	A&S
31.12	0.079	0.80	31 720	115	0.880	1.01	3 219.3	1961	1985	A&S CNG GAS CYCLING
2.45	0.304	0.80	2 840	15	0.935	0.57	403.2	1971	1983	MIP TCPL
3.01	0.276	0.50	2 870	16	0.938	0.57	429.8	1974	1985	LDC U TCPL
2.49	0.310	0.80	2 260	21	0.950	0.57	279.6	1965	1983	PANALTA
1.47	0.160	0.35	5 500	24	0.890	0.61	714.5	1917	1985	PANALTA TCPL PART OF VIK POOL NO.2 MATERIAL BALANCE CONCURRENT PRODUCTION
1.75	0.254	0.65	6 830	45	0.897	0.62	916.9	1957	1982	TCPL
1.15	0.160	0.35	5 500	24	0.890	0.61	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.240	0.50	6 070	28	0.890	0.60	827.5	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
3.30	0.200	0.65	5 240	28	0.906	0.60	832.2	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1984	PANALTA TCPL PART OF VIK POOL NO.2
4.44	0.228	0.55	5 790	28	0.891	0.59	822.8	1976	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
KINMUNDY 025-09W4									
TOTAL-KINMUNDY	49			32		32		1 198	
KIRBY 074-05W4									
UPPER MANNVILLE A	3 263	0.60	0.05	1 860	59	1 801	38	68 096	26 003
UPPER MANNVILLE C	2 930	0.60	0.05	1 670	41	1 629	38	61 592	45 262
UPPER MANNVILLE D	2 298	0.60	0.05	1 310	291	1 019	38	38 528	15 724
UPPER MANNVILLE I	8 842	0.50	0.05	4 200	1 571	2 629	37	97 404	36 585
UPPER MANNVILLE J	515	0.70	0.05	343		343	38	12 969	6 185
OTHER	1 968			1 056	75	981		36 886	
TOTAL-KIRBY	19 816			10 439	2 037	8 402		315 475	
KIRKWALL 027-05W4									
VIKING A	749	0.70	0.05	498	496	2	37	73	5 255
VIKING B	692	0.65	0.05	428	390	38	37	1 394	3 459
OTHER	274			187	8	179		6 668	
TOTAL-KIRKWALL	1 715			1 113	894	219		8 135	
KISKIU (SA) 057-02W6									
TOTAL-KISKIU	198			142		142		5 315	
KITSIM 017-16W4									
MILK RIVER A	188	0.70	0.05	125			36[a]		2 970
MEDICINE HAT A	397	0.70	0.03	270			36		6 077
SE ALTA GAS SYS(MU) TOTAL	585	0.70	0.05	395		395	36	14 342	
OTHER	113			82	5	77		2 936	
TOTAL-KITSIM	698			477	5	472		17 278	
KITTY 085-12W5									
TOTAL-KITTY	34			23		23		887	
KIYA (SA) 096-24W5									
TOTAL-KIYA	22			14		14		550	
KLESKUN (SA) 072-02W6									
TOTAL-KLESKUN	27			19		19		711	
KNAPPEN 001-11W4									
LOWER MANNVILLE G	532	0.80	0.05	405		405	37	15 159	200
OTHER	435			292	115	177		6 623	
TOTAL-KNAPPEN	967			697	115	582		21 782	
KNEEHILL (SA) 036-26W4									
TOTAL-KNEEHILL	321			185		185		7 133	
KNELLER 049-23W4									
TOTAL-KNELLER	623			383	221	162		6 064	
KNOPCIK 074-11W6									
DOE CREEK A	738	0.75	0.10	498	131	367	37	13 737	3 284
PADDY A	835	0.75	0.10	563	37	526	38	20 083	5 313
OTHER	1 493			956	117	839		31 891	
TOTAL-KNOPCIK	3 066			2 017	285	1 732		65 711	
KOTCHO (SA) 112-11W6									
TOTAL-KOTCHO	3			2		2		80	
LA COREY 063-05W4									
TOTAL-LA COREY	285			162		162		6 063	
LAC LA BICHE 067-13W4									
TOTAL-LAC LA BICHE	288			180	141	39		1 473	
LACOMBE 040-26W4									
TOTAL-LACOMBE	445			311	156	155		6 042	
LAIT 001-10W4									
LOWER MANNVILLE A	362	0.90	0.05	310	190	120	38	4 537	800
OTHER	651			460	121	339		12 818	
TOTAL-LAIT	1 013			770	311	459		17 355	
LAMBERT 051-22W5									
D-3 A	3 921	0.85	0.40	2 000	307	1 693	39	66 535	320

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.57	0.326	0.65	1 610	13	0.965	0.57	288.3	1977	1986	PANALTA PROGAS
2.14	0.310	0.65	1 490	18	0.970	0.56	312.7	1977	1983	PANALTA PROGAS
4.15	0.322	0.50	2 155	20	0.956	0.57	366.7	1977	1983	PANALTA PROGAS
5.68	0.308	0.65	2 110	22	0.957	0.57	410.4	1977	1986	PANALTA PROGAS
1.78	0.307	0.70	2 170	24	0.955	0.57	464.3	1978	1984	PANALTA PROGAS
1.19	0.300	0.60	6 570	31	0.892	0.58	796.6	1968	1985	DOMEDOW TCPL PRODUCTION DECLINE
1.88	0.290	0.55	6 600	31	0.889	0.58	757.5	1972	1985	PANALTA TCPL PRODUCTION DECLINE
2.50	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.51	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1981	
								1904	1983	PROGAS TCPL
15.50	0.320	0.85	5 820	23	0.886	0.59	742.8	1981	1983	
2.57	0.187	0.65	6 210	39	0.870	0.66	889.6	1964	1986	LOC U CWNGNUL PANALTA PROGAS
1.46	0.130	0.70	11 620	58	0.844	0.65	1 382.9	1974	1978	PANALTA
3.86	0.250	0.60	7 310	33	0.870	0.58	843.4	1969	1973	CMG
66.85	0.068	0.90	42 660	123	1.023	0.81	4 430.8	1979	1981	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
LAMBERT 051-22W5 (CONTINUED)									
TOTAL-LAMBERT	3 921			2 000	307	1 693		66 535	
LAMONT 053-19W4									
TOTAL-LAMONT	78			49		49		1 896	
LANAWAY 036-03W5									
MANNVILLE ASSOC	509	0.70	0.15	303		303	41	12 478	748
OTHER	1 975			1 139	46	1 093		44 608	
TOTAL-LANAWAY	2 484			1 442	46	1 396		57 086	
LARNE 116-03W6									
TOTAL-LARNE	655			464		464		18 802	
LATHOM 020-18W4									
BOW ISLAND A	600	0.85	0.05	485	221	264	39	10 278	200
OTHER	2 866			1 872	460	1 412		54 088	
TOTAL-LATHOM	3 466			2 357	681	1 676		64 366	
LATHROP (SA) 088-07W6									
TOTAL-LATHROP	78			50		50		1 872	
LATOR 063-02W6									
WABAMUN 29-062-03	977	0.75	0.35	476		476	40	19 064	200
OTHER	572			420		420		16 506	
TOTAL-LATOR	1 549			896		896		35 570	
LAWRENCE 041-12W5									
TOTAL-LAWRENCE	683			466		466		19 190	
LEAHURST 039-18W4									
BELLY RIVER B	786	0.60	0.05	448	40	408	37	15 059	3 161
OTHER	4 282			2 766	175	2 591		110 188	
TOTAL-LEAHURST	5 068			3 214	215	2 999		125 247	
LEAMAN 055-12W5									
LOWER MANNVILLE F	732	0.85	0.10	560	351	209	40	8 370	1 668
NORDEGG B	1 099	0.85	0.10	841		841	42	35 574	1 745
OTHER	1 851			1 304	316	988		40 679	
TOTAL-LEAMAN	3 682			2 705	667	2 038		84 623	
LECKIE 019-17W4									
MILK RIVER A	549	0.70	0.05	365			36[a]		5 874
MEDICINE HAT A	201	0.70	0.03	137			36		3 440
SE ALTA GAS SYS (MU) TOTAL	750	0.70	0.05	502	23	479	36[a]	17 392	
OTHER	132			93	79	14		568	
TOTAL-LECKIE	882			595	102	493		17 960	
LEDDY 084-25W5									
TOTAL-LEDDY	66			42		42		1 557	
LEDUC-WOODBEND 050-26W4									
ELLERSLIE 051-26 ASSOC	885	0.85	0.05	715		715	44	31 582	1 785
BASAL QUARTZ 049-25	741	0.90	0.05	634		634	38	24 206	1 740
D-2 B SOLN	1 225	0.75	0.50	460	414	46	44	2 032	
D-2 A SOLN	3 761	0.62	0.30	1 632[b]			44		
D-2 A ASSOC	1 072	0.85	0.15	774[b]	1 996[b]	410	44	18 110	3 954
D-3 A SOLN	5 998	0.65	0.30	2 729[b]			44		
D-3 A ASSOC	11 539	0.89	0.15	8 730[b]	3 074[b]	8 385	44	370 365	7 073
OTHER	8 910			5 746	1 565	4 181		179 149	
TOTAL-LEDUC-WOODBEND	34 131			21 420	7 049	14 371		625 444	
LEECH (SA) 060-09W5									
TOTAL-LEECH	8			5		5		189	
LEEDALE 042-04W5									
GLAUCONITIC A	2 111	0.70	0.10	1 330	105	1 225	40[a]	49 527	6 765
PEKISKO A	1 379	0.80	0.15	938	44	894	40[a]	36 144	2 556
BANFF A	506	0.85	0.15	366	252	114	40	4 609	906
OTHER	2 300			1 556	57	1 499		58 412	
TOTAL-LEEDALE	6 296			4 190	458	3 732		148 692	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.73	0.110	0.75	17 140	68	0.820	0.86	2 234.7	1979	1983	A&S PROGAS
13.88	0.210	0.55	8 530	36	0.876	0.59	1 019.7	1972	1985	TCPL MATERIAL BALANCE
22.50	0.095	0.85	38 910	135	1.009	0.81	3 956.0	1978	1984	BER
4.74	0.263	0.65	3 000	22	0.942	0.57	610.1	1969	1985	
2.31	0.150	0.70	15 550	44	0.771	0.67	1 792.1	1972	1985	TCPL
7.14	0.121	0.60	12 070	62	0.843	0.66	1 638.2	1978	1984	PROGAS TCPL
3.70	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.35	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
								1911	1983	TCPL
3.81	0.180	0.70	10 000	55	0.840	0.69	1 316.7	1948	1984	PANALTA
2.23	0.200	0.70	10 340	49	0.792	0.71	1 353.3	1951	1973	
						0.74		1950	1985	LOC U
						0.80		1947	1986	LOC U GPP
12.56	0.020	0.80	12 290	66	0.764	0.80	1 539.2	1947	1986	LOC U GPP
						0.81		1947	1986	LOC U CONCURRENT PRODUCTION
18.23	0.080	0.85	13 060	67	0.830	0.81	1 609.3	1947	1986	LOC U CONCURRENT PRODUCTION
2.89	0.110	0.55	16 920	64	0.800	0.70	2 060.1	1970	1982	PROGAS TCPL
4.47	0.087	0.80	18 200	84	0.836	0.71	2 139.1	1970	1986	PROGAS TCPL
3.83	0.088	0.75	18 885	57	0.736	0.80	2 110.4	1979	1982	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
LEGAL 057-25W4									
TOTAL-LEGAL	150			96	74	22		857	
LEISMER 077-09W4									
CLEARWATER A	14 000	0.60	0.05	7 980	3 724	4 256	37	159 302	72 112
OTHER	923			492		492		18 414	
TOTAL-LEISMER	14 923			8 472	3 724	4 748		177 716	
LELAND 059-26W5									
TOTAL-LELAND	44			30		30		1 123	
LEMING 065-04W4									
TOTAL-LEMING	1 653			986	512	474		17 738	
LENNOX (SA) 045-02W5									
TOTAL-LENNOX	66			45		45		1 701	
LEO 035-17W4									
BELLY RIVER A	439	0.80	0.05	333	40	293	37	10 967	4 122
LOWER MANNVILLE A ASSOC	2 645	0.80	0.05	2 010	860	1 150	41	47 357	4 506
OTHER	500			306	46	260		10 218	
TOTAL-LEO	3 584			2 649	946	1 703		68 542	
LEOPARD 009-20W4									
TOTAL-LEOPARD	42			20	18	2		73	
LEPINE 064-03W5									
TOTAL-LEPINE	80			52		52		1 927	
LESSARD (SA) 124-17W5									
TOTAL-LESSARD	7			5		5		206	
LETHBRIDGE 008-21W4									
TOTAL-LETHBRIDGE	19			14		14		529	
LIEGE 093-21W4									
WABISKAW B	1 026	0.50	0.05	487	15	472	37	17 313	16 046
WABISKAW A	1 285	0.50	0.05	611			37		22 038
WABISKAW D	122	0.50	0.05	58			37		2 426
NISKU-U IRE-GROSMNT A	4 500	0.40	0.05	1 710			37		86 210
GROSMONT A	6 581	0.40	0.05	2 500			38		67 154
GROSMONT F	66	0.50	0.05	31			37		788
WBSK-NIS-U IRE-GSMT TOTAL	12 554	0.40	0.05	4 910	825	4 085	38	155 965	
MCMURRAY A	1 200	0.50	0.05	570	27	543	37	19 917	24 435
LEDUC A	1 397	0.50	0.05	664	338	326	37	12 082	20 040
OTHER	967			501	70	431		15 925	
TOTAL-LIEGE	17 144			7 132	1 275	5 857		221 202	
LIMESTONE 033-10W5									
RUNDLE C	803	0.60	0.15	410	148	262	39	10 200	440
RUNDLE D	1 029	0.85	0.20	700	179	521	39	20 283	530
RUNDLE A	9 687	0.80	0.20	6 200			39		2 000
RUNDLE B	1 719	0.80	0.20	1 100			39		1 515
RUNDLE A & B TOTAL	11 406	0.80	0.20	7 300	2 121	5 179	39	201 618	
RUNDLE E	2 143	0.70	0.20	1 200			39		688
RUNDLE F	361	0.70	0.20	202			39		716
RUNDLE E & F TOTAL	2 504	0.70	0.20	1 402	187	1 215	39	47 300	
TURNER VALLEY 05-035-11	536	0.80	0.15	365		365	38	13 801	200
WABAMUN A	2 311	0.75	0.25	1 300	537	763	37	27 987	1 163
WABAMUN B	2 419	0.50	0.35	787	97	690	37	25 309	1 168
NISKU A	191	0.75	0.35	93			37		200
LEDUC A	1 122	0.75	0.30	589			38		200
NISKU A & LEDUC A TOTAL	1 313	0.75	0.30	682	227	455	37	17 031	
NISKU B	641	0.75	0.35	313			37		200
LEDUC B	967	0.85	0.25	617			38		200
NISKU B & LEDUC B TOTAL	1 608	0.80	0.30	930	177	753	37	28 185	
OTHER	1 019			691	75	616		23 082	
TOTAL-LIMESTONE	24 948			14 567	3 748	10 819		414 796	
LINDBERGH 057-05W4									
VIKING A	1 008	0.50	0.05	479	13	466	37	17 270	36 120
OTHER	5 810			3 711	907	2 804		104 888	
TOTAL-LINDBERGH	6 818			4 190	920	3 270		122 158	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.92	0.330	0.60	1 980	21	0.961	0.56	269.8	1974	1984	DOMEDOW PANALTA PROGAS
2.12	0.263	0.55	3 270	18	0.920	0.63	527.9	1973	1983	PANALTA SLPETRD TCPL
4.97	0.195	0.70	8 030	35	0.857	0.62	1 125.7	1971	1983	PANALTA TCPL CONCURRENT PRODUCTION
3.65	0.297	0.65	920	21	0.981	0.57	313.0	1980	1985	
4.35	0.303	0.45	960	11	0.978	0.71	229.3	1974	1983	
3.74	0.284	0.50	920	10	0.980	0.58	224.2	1979	1986	KANNGAZ PANALTA
14.54	0.202	0.20	920	27	0.982	0.59	261.8	1974	1984	PROGAS PANALTA SOQUIP
18.82	0.120	0.45	940	18	0.980	0.59	337.8	1963	1985	
7.79	0.150	0.80	900	16	0.981	0.58	236.5	1985	1985	KANNGAZ PANALTA
								1963	1986	
4.46	0.273	0.45	900	18	0.981	0.57	285.0	1980	1984	KANNGAZ
14.55	0.152	0.35	900	17	0.980	0.58	325.0	1980	1985	
14.00	0.070	0.88	24 145	83	0.912	0.67	2 559.4	1974	1984	TCPL
16.76	0.063	0.82	26 050	80	0.936	0.67	3 587.3	1975	1984	TCPL
32.89	0.077	0.88	24 460	83	0.899	0.75	3 042.2	1975	1986	TOP/BASE TVD
8.87	0.069	0.80	24 460	83	0.922	0.72	3 161.5	1975	1986	TOP/BASE TVD
								1975	1984	TCPL
30.20	0.062	0.76	24 660	83	0.900	0.75	3 232.1	1976	1986	TOP/BASE TVD
5.49	0.060	0.70	24 660	83	0.900	0.75	3 395.2	1976	1984	TOP/BASE TVD
								1976	1986	TCPL
30.78	0.060	0.80	26 440	149	0.983	0.71	3 836.2	1977	1979	CNG
20.20	0.053	0.80	31 160	116	0.982	0.72	3 644.3	1975	1985	TCPL
20.20	0.053	0.80	31 160	116	0.942	0.82	3 865.8	1976	1984	TCPL
8.64	0.060	0.80	28 980	96	0.972	0.80	3 509.8	1976	1978	
55.69	0.050	0.80	31 890	91	0.989	0.75	3 610.8	1976	1977	
								1976	1978	TCPL
20.15	0.075	0.80	31 710	88	0.942	0.81	3 842.8	1976	1986	TOP/BASE TVD
25.30	0.085	0.80	31 930	89	0.893	0.80	3 913.1	1976	1986	TOP/BASE TVD
								1976	1986	TCPL
0.79	0.240	0.50	2 760	20	0.944	0.57	386.3	1946	1985	MIP PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
LINK 034-17W4									
TOTAL-LINK	814			520	152	368		13 868	
LITTLE BOW 015-19W4									
UPPER MANNVILLE A	551	0.90	0.10	446	424	22	37	823	200
GLAUCONITIC 13-015-20	797	0.75	0.10	538		538	37	20 137	600
OTHER	6 982			4 573	657	3 916		146 788	
TOTAL-LITTLE BOW	8 330			5 557	1 081	4 476		167 748	
LITTLE SMOKY 067-22W5									
TOTAL-LITTLE SMOKY	504			338		338		12 736	
LITTLE SMOKY LAKE (SA) 075-22W5									
TOTAL-LITTLE SMOKY LAKE	102			72		72		2 720	
LIVOCK (SA) 085-23W4									
TOTAL-LIVOCK	2			1		1		38	
LLOYDMINSTER 050-01W4									
COLONY ASSOC	610	0.60	0.05	348	225	123	38	4 696	4 600
SPARKY DD	512	0.70	0.05	340		340	36	12 090	2 724
OTHER	3 997			2 086	367	1 719		62 772	
TOTAL-LLOYDMINSTER	5 119			2 774	592	2 182		79 558	
LOCHEND 027-03W5									
CARDIUM A SOLN	1 232	0.65	0.20	641	30	611	37	22 870	
OTHER	120			74		74		2 770	
TOTAL-LOCHEND	1 352			715	30	685		25 640	
LOCHINVAR (SA) 041-26W4									
TOTAL-LOCHINVAR	100			64		64		2 468	
LOGAN 072-13W4									
TOTAL-LOGAN	91			56		56		2 081	
LOMOND 018-12W4									
TOTAL-LOMOND	142			84		84		3 144	
LONE 089-04W6									
TOTAL-LONE	87			58		58		2 279	
LONE PINE CREEK 030-28W4									
WABAMUN A	14 996	0.75	0.27	8 210	5 751	2 459	39	94 917	20 942
D-3 A SOLN	557	0.65	0.30	253[b]			37		
D-3 A ASSOC	3 074	0.50	0.33	1 030[b]	953[b]	330	37	12 065	1 835
OTHER	665			394		394		15 057	
TOTAL-LONE PINE CREEK	19 292			9 887	6 704	3 183		122 039	
LONG COULEE 016-21W4									
GLAUCONITIC I	1 835	0.85	0.15	1 326	965	361	37	13 512	3 234
GLAUCONITIC L	1 625	0.80	0.20	1 040	998	42	37	1 572	1 306
SUNBURST D	1 016	0.90	0.15	777		777	37	29 083	1 322
SUNBURST G	2 334	0.80	0.25	1 400	937	463	37	17 330	3 206
OTHER	3 413			1 969	362	1 607		60 233	
TOTAL-LONG COULEE	10 223			6 512	3 262	3 250		121 730	
LOOKOUT BUTTE 001-28W4									
RUNDLE A	13 818	0.55	0.25	5 700	5 343	357	40[a]	14 166	2 858
TOTAL-LOOKOUT BUTTE	13 818			5 700	5 343	357		14 166	
LOSEMAN (SA) 067-02W4									
TOTAL-LOSEMAN	43			23		23		851	
LOST 084-26W5									
TOTAL-LOST	74			49		49		1 815	
LOUISE (SA) 064-15W5									
TOTAL-LOUISE	155			98		98		3 851	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.10	0.175	0.65	11 580	39	0.811	0.67	1 214.5	1965	1986	TCPL PRODUCTION DECLINE
5.93	0.236	0.70	12 000	38	0.809	0.81	1 189.7	1980	1986	NON COMMERCIAL OIL
4.30	0.300	0.60	3 050	19	0.942	0.59	532.8	1943	1985	CWNGNUL MATERIAL BALANCE COMPOSITE COLONY RESERVE
2.01	0.290	0.75	4 110	21	0.925	0.60	611.4	1966	1984	PANALTA
						0.72		1961	1986	
10.04	0.055	0.80	24 610	83	0.885	0.77	2 417.2	1955	1984	PANALTA PROGAS TCPL MATERIAL BALANCE
						0.75		1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
17.43	0.083	0.85	22 480	83	0.852	0.75	2 425.0	1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
2.61	0.191	0.80	12 570	43	0.795	0.77	1 411.9	1980	1986	TCPL
1.66	0.183	0.80	10 520	41	0.810	0.78	1 462.4	1967	1986	TCPL MATERIAL BALANCE
3.90	0.199	0.65	13 140	43	0.776	0.75	1 424.2	1982	1986	NONCOMMERCIAL OIL
4.22	0.142	0.60	13 270	44	0.821	0.79	1 446.0	1960	1986	PANALTA TCPL MATERIAL BALANCE
35.16	0.065	0.80	32 850	88	0.935	1.00	3 675.4	1959	1984	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m3	REMAINING ENERGY CONTENT TJ	AREA ha
LOUSANA 036-21W4									
TOTAL-LOUSANA	54			30		30		1 191	
LOVETT RIVER 046-18W5									
RUNDLE A	1 767	0.50	0.10	796		796	39	30 988	1 142
OTHER	650			436		436		16 973	
TOTAL-LOVETT RIVER	2 417			1 232		1 232		47 961	
LUCKY 061-18W4									
TOTAL-LUCKY	776			519	155	364		13 609	
LUNNFORD 059-03W5									
TOTAL-LUNNFORD	595			397	4	393		14 709	
LYLE 073-18W4									
TOTAL-LYLE	115			66		66		2 470	
LYNDON (SA) 013-29W4									
TOTAL-LYNDON	107			73		73		2 733	
LYNX 062-09W6									
TOTAL-LYNX	1 052			714	212	502		18 789	
MACKAY RIVER (SA) 091-18W4									
TOTAL-MACKAY RIVER	31			16		16		587	
MAJEAU 056-04W5									
BANFF A	396	0.85	0.10	303	57	246	40	9 852	200
OTHER	2 346			1 612	213	1 399		55 783	
TOTAL-MAJEAU	2 742			1 915	270	1 645		65 635	
MAJORVILLE 018-19W4									
UPPER MANNVILLE F	585	0.85	0.10	447	4	443	38	16 914	200
GLAUCONITIC 33-018-19	438	0.80	0.10	315		315	38	12 027	200
OTHER	1 531			1 018	64	954		36 674	
TOTAL-MAJORVILLE	2 554			1 780	68	1 712		65 615	
MALMO 043-22W4									
D-3 B	1 542	0.90	0.20	1 110	196	914	41	37 639	974
OTHER	1 639			738	105	633		24 803	
TOTAL-MALMO	3 181			1 848	301	1 547		62 442	
MANIR (SA) 072-03W6									
TOTAL-MANIR	53			36		36		1 442	
MANITO 042-20W4									
TOTAL-MANITO	975			711	13	698		26 515	
MANNING (SA) 090-25W5									
TOTAL-MANNING	70			47		47		1 724	
MANNVILLE 051-08W4									
UPPER VIKING D	354	0.85	0.05	286			37		9 101
MIDDLE VIKING C	496	0.85	0.05	401			37		10 774
U VIK D & M VIK C TOTAL	850	0.85	0.05	687	189	498	37	18 640	
UPPER MANNVILLE C	796	0.70	0.05	529	456	73	37	2 732	2 523
UPPER MANNVILLE F	1 309	0.80	0.05	995	477	518	37	19 389	4 903
UPPER MANNVILLE H	749	0.80	0.05	569	446	123	37	4 604	5 501
OTHER	6 215			4 105	1 017	3 088		115 836	
TOTAL-MANNVILLE	9 919			6 885	2 585	4 300		161 201	
MANNVILLE SOUTH (SA) 049-08W4									
TOTAL-MANNVILLE SOUTH	252			159		159		5 834	
MANNY 076-21W4									
TOTAL-MANNY	56			32		32		1 186	
MANOLA 058-02W5									
TOTAL-MANOLA	447			301	69	232		9 244	
MANYBERRIES 005-05W4									
BOW ISLAND A	789	0.90	0.05	675	547	128	35	4 504	3 743

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
13.72	0.051	0.85	33 770	95	1.003	0.62	3 568.4	1958	1984	PANALTA TOP/BASE TVD
18.29	0.110	0.85	10 410	41	0.815	0.66	1 296.5	1951	1983	PANALTA
9.70	0.270	0.85	12 310	49	0.828	0.65	1 380.2	1981	1983	TCPL
21.50	0.150	0.50	11 960	41	0.798	0.66	1 315.7	1985	1986	
15.24	0.072	0.90	15 460	59	0.826	0.74	1 621.1	1959	1981	TCPL
0.75	0.218	0.50	4 480	21	0.912	0.59	537.8	1974	1984	
0.90	0.215	0.50	4 480	21	0.910	0.60	538.4	1972	1982	
								1972	1984	CWNGNUL PANALTA PRODGAS TCPL
2.28	0.250	0.65	4 600	28	0.917	0.57	580.5	1970	1984	TCPL MATERIAL BALANCE
3.58	0.270	0.60	4 340	21	0.912	0.58	580.8	1971	1981	TCPL
1.76	0.270	0.60	4 460	19	0.909	0.58	539.5	1970	1981	CWNGNUL TCPL
2.67	0.290	0.70	5 930	27	0.901	0.58	792.7	1947	1985	CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
MANYBERRIES 005-05W4 (CONTINUED)									
OTHER	2 335			1 561	401	1 160		43 161	
TOTAL-MANYBERRIES	3 124			2 236	948	1 288		47 665	
MANYBERRIES SOUTH (SA) 003-05W4									
TOTAL-MANYBERRIES SOUTH	89			67		67		2 558	
MARGIE 074-09W4									
TOTAL-MARGIE	106			54		54		2 016	
MARIE 065-02W4									
TOTAL-MARIE	342			184	27	157		5 908	
MARION LAKE 037-18W4									
TOTAL-MARION LAKE	80			49		49		2 040	
MARKERVILLE 036-02W5									
PEKISKO A	2 824	0.80	0.15	1 920	127	1 793	41	73 836	3 206
OTHER	451			298	43	255		9 919	
TOTAL-MARKERVILLE	3 275			2 218	170	2 048		83 755	
MARLBORO 055-19W5									
LEDUC A	5 735	0.70	0.30	2 811	884	1 927	37	72 128	563
OTHER	73			49		49		1 834	
TOTAL-MARLBORO	5 808			2 860	884	1 976		73 962	
MARLOWE (SA) 122-22W5									
TOTAL-MARLOWE	15			9		9		337	
MARSH (SA) 054-25W5									
TOTAL-MARSH	332			268		268		10 031	
MARTEN 077-04W5									
TOTAL-MARTEN	339			223		223		8 771	
MARTEN HILLS 075-25W4									
WABISKAW C	631	0.80	0.05	480	52	428	37	15 862	3 089
WABISKAW A	23 553	0.80	0.05	17 900			37		82 375
WABAMUN A	9 069	0.65	0.05	5 600			37		32 374
WBSK A & WAB A TOTAL	32 622	0.75	0.05	23 500	15 119	8 381	37	310 600	
WABAMUN C	1 407	0.75	0.05	1 002	3	999	37	37 023	8 284
OTHER	1 925			1 127	110	1 017		37 757	
TOTAL-MARTEN HILLS	36 585			26 109	15 284	10 825		401 242	
MARWAYNE 053-03W4									
TOTAL-MARWAYNE	404			266		266		10 058	
MATZIWIN 023-14W4									
MILK RIVER A	2 827	0.70	0.05	1 880			36[a]		18 414
MEDICINE HAT A	2 106	0.70	0.03	1 430			36[a]		16 551
MEDICINE HAT C	46	0.50	0.03	22			36[a]		1 964
MEDICINE HAT D	204	0.50	0.03	99			36[a]		5 649
SECOND WHITE SPECKS A	84	0.75	0.05	60			38		1 271
SE ALTA GAS SYS(MU) TOTAL	5 267	0.70	0.05	3 491	913	2 578	36[a]	93 607	
OTHER	1 316			866	239	627		24 600	
TOTAL-MATZIWIN	6 583			4 357	1 152	3 205		118 207	
MAY (SA) 075-11W4									
TOTAL-MAY	17			13		13		482	
MCADAM (SA) 082-14W4									
TOTAL-MCADAM	10			5		5		187	
MCGREGOR 017-20W4									
SUNBURST 29-017-20	481	0.85	0.05	389		389	37	14 560	200
OTHER	434			295	2	293		11 092	
TOTAL-MCGREGOR	915			684	2	682		25 652	
MCGUFFIN (SA) 066-11W4									
TOTAL-MCGUFFIN	169			96		96		3 562	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.22	0.067	0.75	18 560	68	0.814	0.71	2 272.2	1976	1981	DOMEDOW A&S KANNGAZ PROGAS
65.84	0.068	0.90	34 820	130	0.972	0.74	3 703.9	1965	1975	A&S
4.07	0.287	0.60	2 960	35	0.938	0.57	794.0	1971	1975	KANNGAZ PANALTA TCPL
5.23	0.278	0.65	2 700	27	0.946	0.57	685.8	1961	1985	MATERIAL BALANCE
11.39	0.138	0.55	2 710	28	0.950	0.57	712.8	1961	1982	
								1961	1982	PANALTA TCPL
4.66	0.211	0.65	2 740	35	0.952	0.57	775.4	1966	1977	TCPL
6.05	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
2.94	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
0.61	0.136	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.92	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1981	
0.85	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1981	CNG TCPL
								1904	1986	CNG PANALTA PROGAS TCPL
12.70	0.200	0.70	13 000	43	0.865	0.59	1 420.0	1981	1982	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
MCKINLEY 065-22W5									
TOTAL-MCKINLEY	642			448	35	413		16 043	
MCLAUGHLIN 046-01W4									
TOTAL-MCLAUGHLIN	200			124	15	109		4 080	
MCLEOD 054-14W5									
CARDIUM A SOLN	13	0.60	0.10	7[b]			37		
CARDIUM A ASSOC	1 187	0.75	0.10	801[b]	383[b]	425	37	15 908	4 649
GETHING C	1 364	0.80	0.15	927	14	913	37	34 174	1 464
GETHING D	821	0.75	0.15	524	10	514	37	19 239	1 678
WINTERBURN 31-054-14	825	0.90	0.15	632		632	37	23 656	200
OTHER	1 013			656	22	634		23 831	
TOTAL-MCLEOD	5 223			3 547	429	3 118		116 808	
MCMILLAN 074-17W4									
TOTAL-MCMILLAN	766			416	320	96		3 591	
MCMULLEN 077-26W4									
WABISKAW A		0.65	0.05				37		1 239
WABAMUN A		0.65	0.05				37		200
WBSK A & WAB A TOTAL	514	0.65	0.05	317	221	96	37	3 593	
OTHER	133			73		73		2 732	
TOTAL-MCMULLEN	647			390	221	169		6 325	
MEADOW 062-25W4									
TOTAL-MEADOW	212			146	5	141		5 391	
MEANDER (SA) 115-21W5									
TOTAL-MEANDER	12			9		9		371	
MEANOOK 063-22W4									
TOTAL-MEANOOK	1 707			1 168	483	685		25 639	
MEDALLION 019-27W4									
TOTAL-MEDALLION	322			211		211		7 898	
MEDICINE HAT 013-03W4									
MILK RIVER A	46 045	0.70	0.05	30 620			36[a]		369 798
MEDICINE HAT A	79 302	0.65	0.03	50 000			36[a]		472 243
SECOND WHITE SPECKS J	415	0.80	0.05	315			36		5 180
LOWER COLORADO SAND A	356	0.75	0.05	254			36		5 560
MEDICINE HAT C	5 360	0.50	0.03	2 600			36[a]		153 439
MEDICINE HAT D	4 928	0.50	0.03	2 390			36[a]		130 786
SECOND WHITE SPECKS A	6 821	0.75	0.05	4 860			36		60 495
SECOND WHITE SPECKS M	11	0.80	0.05	9			36		200
SE ALTA GAS SYS(MU) TOTAL	143 238	0.65	0.05	91 048	62 513	28 535	36[a]	1 036 106	
SECOND WHITE SPECKS D	2 076	0.70	0.05	1 380	365	1 015	36	36 855	25 332
SECOND WHITE SPECKS F	505	0.75	0.05	361		361	36	13 108	1 600
SECOND WHITE SPECKS N	494	0.80	0.05	375	6	369	36	13 398	4 748
LOWER COLORADO SAND B	1 154	0.85	0.05	932	145	787	37	29 457	11 366
BOW ISLAND B	1 267	0.40	0.05	482	435	47	36	1 707	3 540
BOW ISLAND L	560	0.80	0.05	426	376	50	36	1 816	3 713
BOW ISLAND C	437	0.80	0.05	333	24	309	36	11 220	1 613
OTHER	5 503			3 841	919	2 922		108 296	
TOTAL-MEDICINE HAT	155 234			99 178	64 783	34 395		1 251 963	
MEDICINE LODGE 052-21W5									
VIKING A	785	0.90	0.10	636	42	594	39	23 344	1 856
WABAMUN 16-052-21	519	0.70	0.05	345		345	39	13 559	400
WABAMUN 33-051-21	640	0.85	0.20	435		435	39	17 096	200
OTHER	1 004			678		678		26 901	
TOTAL-MEDICINE LODGE	2 948			2 094	42	2 052		80 900	
MEDICINE RIVER 039-03W5									
GLAUCONITIC A SOLN	2 813	0.28	0.30	552[b]			43		
GLAUCONITIC A ASSOC	2 301	0.85	0.10	1 760[b]	626[b]	1 686	43	72 582	2 739
GLAUCONITIC D	162	0.75	0.10	110[b]			43		200
OSTRACOD A ASSOC	378	0.75	0.10	256[b]			43[a]		1 268
OSTRACOD A SOLN	201	0.65	0.35	85[b]			43[a]		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.68		1972	1984	A&S TCPL PANALTA CONCURRENT PRODUCTION
4.52	0.100	0.60	9 260	56	0.850	0.68	1 508.6	1972	1984	A&S TCPL PANALTA CONCURRENT PRODUCTION
5.36	0.147	0.65	16 710	62	0.780	0.71	2 067.9	1980	1985	TCPL
3.70	0.125	0.60	16 140	63	0.775	0.75	2 127.3	1982	1986	TCPL
27.76	0.080	0.80	26 480	80	0.919	0.71	2 652.7	1976	1977	
3.61	0.274	0.80	2 830	19	0.945	0.56	543.1	1968	1986	PRODUCTION DECLINE
5.86	0.165	0.60	2 630	19	0.946	0.57	547.9	1968	1986	PRODUCTION DECLINE
								1968	1986	TCPL
4.92	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
3.88	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
1.42	0.150	0.60	5 790	21	0.894	0.58	591.1	1977	1985	TCPL A&S
1.13	0.160	0.50	6 520	25	0.878	0.58	753.3	1977	1979	TCPL
0.89	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.96	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
1.45	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1982	
1.10	0.150	0.60	5 330	19	0.899	0.58	562.4	1981	1983	CTYMEDH TCPL
								1904	1986	CWNGNUL MIP CTYMEDH PANALTA TCPL A&S CNG KANNGAZ
1.60	0.180	0.55	4 900	23	0.910	0.58	650.2	1975	1982	MIP TCPL
1.83	0.216	0.60	5 690	27	0.905	0.57	693.5	1976	1985	TCPL
1.30	0.216	0.60	5 690	20	0.894	0.57	571.7	1980	1986	
1.24	0.190	0.60	6 630	24	0.884	0.57	709.0	1977	1984	MIP CTYMEDH TCPL
1.75	0.286	0.60	6 520	24	0.887	0.57	796.1	1948	1983	MIP TCPL MATERIAL BALANCE
1.48	0.220	0.70	6 120	23	0.889	0.56	660.6	1977	1985	CWNGNUL CNG
2.24	0.234	0.70	6 890	27	0.885	0.63	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
1.55	0.120	0.80	35 920	85	1.004	0.66	2 862.7	1975	1978	PANALTA PROGAS
7.32	0.090	0.75	36 900	107	1.052	0.59	3 723.9	1977	1982	PROGAS TCPL
19.83	0.090	0.75	36 900	127	1.098	0.66	3 920.9	1979	1982	PROGAS
						0.77		1965	1986	PANALTA PROGAS TCPL A&S CONCURRENT PRODUCTION
3.35	0.130	0.75	26 150	66	0.853	0.77	2 203.0	1965	1986	PANALTA PROGAS TCPL A&S CONCURRENT PRODUCTION
4.27	0.130	0.75	18 460	69	0.789	0.75	2 073.6	1961	1982	
1.74	0.139	0.65	18 510	63	0.826	0.69	2 074.2	1961	1986	CONCURRENT PRODUCTION
						0.69		1961	1986	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
MEDICINE RIVER 039-03W5 (CONTINUED)									
GLAUC D & OSTRACOD A TOTAL	741	0.70	0.15	451[b]	422[b]	29	43[a]	1 248	
OSTRACOD C SOLN	89	0.60	0.45	29[b]			43[a]		
OSTRACOD C ASSOC	1 813	0.85	0.15	1 310[b]	1 235[b]	104	43[a]	4 477	2 268
OSTRACOD Q	627	0.90	0.10	508		508	43	21 869	2 024
BASAL QUARTZ D SOLN	29	0.65	0.40	11[b]			43[a]		
BASAL QUARTZ D ASSOC	413	0.85	0.15	298[b]	29[b]	280	43[a]	12 054	776
BASAL QUARTZ B ASSOC	54	0.70	0.15	32			43[a]		138
BASAL QUARTZ B SOLN	1 800	0.40	0.45	396			43[a]		
BASAL QUARTZ B ASSOC	827	0.80	0.15	563			43[a]		679
BASAL QUARTZ B ASSOC	13	0.70	0.15	8			43[a]		32
BASAL QUARTZ B TOTAL	2 694	0.55	0.30	999	162	837	43[a]	36 033	
JURASSIC A ASSOC	176	0.70	0.15	105			38[a]		372
JURASSIC A SOLN	1 086	0.35	0.50	190			38[a]		
JURASSIC A ASSOC	32	0.70	0.15	19			38		32
JURASSIC A TOTAL	1 294	0.40	0.40	314	127	187	38[a]	7 139	
JURASSIC D ASSOC	353	0.90	0.15	270			38[a]		318
JURASSIC D SOLN	716	0.40	0.45	157			38[a]		
JURASSIC D ASSOC	17	0.90	0.15	13			38[a]		16
JURASSIC D ASSOC	55	0.90	0.15	43			38[a]		32
JURASSIC D TOTAL	1 141	0.60	0.30	483	153	330	38[a]	12 600	
JURASSIC M	603	0.75	0.15	384	117	267	38[a]	10 194	200
PEKISKO N ASSOC	1 906	0.80	0.15	1 296		1 296	41	53 369	1 539
PEKISKO P	568	0.85	0.11	430	409	21	41[a]	865	1 301
PEKISKO T	2 159	0.85	0.15	1 560	65	1 495	41	61 564	726
OTHER	11 183			6 141	1 078	5 063		213 365	
TOTAL-MEDICINE RIVER	30 374			16 526	4 423	12 103		507 359	
MEDLEY (SA) 068-02W4									
TOTAL-MEDLEY	52			25		25		936	
MEEKWAP 066-15W5									
TOTAL-MEEKWAP	1 164			262	76	186		6 962	
MEGA 101-07W6									
TOTAL-MEGA	59			34		34		1 286	
MEIKLE (SA) 099-17W5									
TOTAL-MEIKLE	56			32		32		1 198	
MELLOWDALE 060-03W5									
TOTAL-MELLOWDALE	309			216	34	182		6 813	
MEYER 070-25W4									
TOTAL-MEYER	1 059			653	153	500		18 715	
MICHICHI 030-18W4									
UPPER MANNVILLE B	135	0.75	0.10	91			43		888
LOWER MANNVILLE E	392	0.85	0.10	300			38		911
U MANN B & L MANN E TOTAL	527	0.80	0.10	391	47	344	38	13 134	
LOWER MANNVILLE B SOLN	19	0.65	0.10	11[b]			38		
LOWER MANNVILLE B ASSOC	769	0.80	0.10	554[b]	39[b]	526	38	20 083	1 924
OTHER	2 815			1 765	310	1 455		55 925	
TOTAL-MICHICHI	4 130			2 721	396	2 325		89 142	
MIKWAN 036-23W4									
VIKING B	1 510	0.65	0.10	884	582	302	42[a]	12 763	8 256
OTHER	4 824			3 189	537	2 652		108 775	
TOTAL-MIKWAN	6 334			4 073	1 119	2 954		121 538	
MILLIGAN (SA) 097-13W6									
TOTAL-MILLIGAN	174			113		113		4 291	
MILLS 069-11W4									
TOTAL-MILLS	305			156	96	60		2 246	
MILO 019-23W4									
TOTAL-MILO	335			238		238		8 999	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1961	1986	A&S TCPL CONCURRENT PRODUCTION
						0.80		1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.55	0.133	0.75	20 550	71	0.804	0.80	2 278.3	1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
1.46	0.136	0.75	20 200	69	0.807	0.73	2 275.5	1963	1985	PROGAS TCPL
						0.66		1962	1977	A&S TCPL OIL POOL DEPLETED
3.28	0.139	0.70	15 620	60	0.800	0.66	2 094.6	1962	1977	A&S TCPL OIL POOL DEPLETED
2.30	0.146	0.70	16 130	65	0.813	0.71	2 162.7	1959	1986	
						0.71		1959	1986	
7.12	0.146	0.70	16 130	64	0.813	0.71	2 107.3	1959	1986	
2.44	0.146	0.70	16 130	65	0.813	0.71	2 142.6	1959	1986	ASSIGNED WELL 16-20-39-3 W5
								1959	1986	A&S TCPL
2.71	0.151	0.70	16 000	63	0.818	0.69	2 131.2	1956	1986	
						0.69		1956	1986	
5.49	0.157	0.70	16 000	63	0.818	0.69	2 120.2	1956	1984	
								1956	1986	A&S TCPL
6.55	0.145	0.70	16 130	63	0.817	0.69	2 125.7	1962	1986	
						0.69		1962	1986	
6.19	0.145	0.70	16 130	63	0.817	0.69	2 118.4	1962	1986	
10.19	0.145	0.70	16 130	63	0.817	0.69	2 118.4	1962	1986	
								1962	1986	TCPL A&S
13.60	0.170	0.80	15 630	63	0.812	0.70	2 161.0	1981	1981	A&S
9.33	0.110	0.75	15 980	71	0.821	0.71	2 133.9	1963	1982	A&S PANALTA PROGAS TCPL
10.85	0.098	0.75	16 380	59	0.789	0.74	2 119.0	1963	1980	TCPL PRODUCTION DECLINE
19.57	0.112	0.80	15 030	59	0.759	0.73	2 158.9	1982	1986	TCPL A&S
1.62	0.172	0.50	9 710	38	0.816	0.69	1 311.7	1968	1985	
4.63	0.142	0.60	9 810	41	0.814	0.70	1 322.6	1975	1985	
								1968	1986	
						0.67		1980	1986	TCPL KANNGAZ CONCURRENT PRODUCTION
4.89	0.147	0.55	9 490	48	0.832	0.67	1 314.5	1980	1986	TCPL KANNGAZ CONCURRENT PRODUCTION
2.24	0.129	0.55	7 110	49	0.874	0.66	1 398.2	1968	1985	CNG TCPL MATERIAL BALANCE

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
MINEHEAD 049-19W5									
BEAVERHILL LAKE049-19	7 142	0.50	0.30	2 500		2 500	37	93 575	4 034
OTHER	1 232			837	1	836		33 764	
TOTAL-MINEHEAD	8 374			3 337	1	3 336		127 339	
MINNEHIK-BUCK LAKE 046-06W5									
CARDIUM J SOLN	686	0.65	0.10	401	70	331	37	12 389	
ELLERSLIE A	29	0.80	0.10	21			37		200
JURASSIC A	487	0.85	0.15	352			37		1 264
ELRSL A & JUR A TOTAL	516	0.85	0.15	373	26	347	37	12 988	
PEKISKO A	24 321	0.90	0.10	19 700	14 647	5 053	42[a]	209 952	14 852
BANFF 27-045-04	403	0.90	0.10	327		327	42[a]	13 587	200
OTHER	1 945			1 279	60	1 219		47 435	
TOTAL-MINNEHIK-BUCK LAKE	27 871			22 080	14 803	7 277		296 351	
MINNOW 057-05W6									
TOTAL-MINNOW	93			71		71		3 083	
MIRAGE 079-07W6									
TOTAL-MIRAGE	138			92	5	87		3 296	
MISTAHAE 079-01W5									
TOTAL-MISTAHAE	184			120		120		4 805	
MISTY 033-05W4									
TOTAL-MISTY	212			143		143		5 353	
MITCHELL (SA) 049-20W5									
TOTAL-MITCHELL	192			137		137		5 128	
MITSUE 071-04W5									
GILWOOD A ASSOC	68	0.75	0.10	46[b]			44		327
GILWOOD A SOLN	12 535	0.52	0.25	4 889[b]			44		
GILWOOD A ASSOC	117	0.75	0.10	79[b]			44		200
GILWOOD A ASSOC	54	0.80	0.05	41[b]			44		200
GILWOOD A ASSOC	55	0.80	0.15	37[b]			44		200
GILWOOD A ASSOC	146	0.80	0.05	111[b]			44		200
GILWOOD A ASSOC	47	0.75	0.10	32[b]			44		200
GILWOOD A TOTAL	13 022	0.55	0.25	5 235[b]	2 761[b]	2 474	44	108 361	
OTHER	1 703			1 087	248	839		33 612	
TOTAL-MITSUE	14 725			6 322	3 009	3 313		141 973	
MOBERLY (SA) 058-04W6									
TOTAL-MOBERLY	412			288		288		10 780	
MONITOR 034-04W4									
UPPER MANNVILLE A	1 117	0.80	0.05	849			37		4 659
UPPER MANNVILLE C	38	0.75	0.05	28			37		200
UPPER MANNVILLE A & C TOTAL	1 155	0.80	0.05	877	145	732	37	27 399	
OTHER	352			238	63	175		6 549	
TOTAL-MONITOR	1 507			1 115	208	907		33 948	
MONTAG (SA) 084-06W6									
TOTAL-MONTAG	19			13		13		511	
MONTGOMERY (SA) 012-28W4									
TOTAL-MONTGOMERY	44			29		29		1 107	
MOON CREEK (SA) 059-05W6									
TOTAL-MOON CREEK	336			272		272		9 366	
MOONSHINE 058-01W4									
TOTAL-MOONSHINE	1 192			706	162	544		20 360	
MOORE 067-04W4									
TOTAL-MOORE	894			491	4	487		18 228	
MOOSE 023-06W5									
RUNDLE A	4 897	0.60	0.20	2 350	31	2 319	37	86 800	2 785
TURNER VALLEY 227-022-06	952	0.60	0.20	457		457	37[a]	17 106	200
WABAMUN 05-023-06	838	0.85	0.40	427		427	37	15 983	440
OTHER	1 067			260		260		9 732	
TOTAL-MOOSE	7 754			3 494	31	3 463		129 621	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
11.73	0.062	0.90	42 920	146	1.077	0.73	4 387.6	1973	1982	DOMEDOW PANALTA TCPL
						0.69		1979	1982	A&S PROGAS
0.80	0.100	0.85	19 463	58	0.791	0.71	2 081.4	1982	1983	
1.80	0.123	0.80	19 320	57	0.765	0.78	2 081.3	1980	1986	
								1980	1986	A&S PANALTA PROGAS
7.30	0.092	0.75	17 170	85	0.851	0.73	2 116.3	1952	1984	A&S PANALTA MATERIAL BALANCE
15.00	0.090	0.70	19 250	55	0.783	0.71	2 070.0	1981	1983	
1.37	0.130	0.75	15 860	69	0.850	0.72	1 659.3	1964	1986	CONCURRENT PRODUCTION
						0.72		1964	1986	CONCURRENT PRODUCTION
4.10	0.170	0.55	14 180	51	0.817	0.72	1 662.9	1964	1983	ASSIGNED WELL 10-23-069-03 W5M
1.85	0.130	0.65	17 370	60	0.858	0.67	1 665.1	1964	1983	ASSIGNED WELL 02-13-069-03 W5M
2.30	0.080	0.75	17 390	52	0.767	0.84	1 676.3	1964	1983	ASSIGNED WELL 02-36-068-03 W5M
4.20	0.150	0.65	17 930	60	0.860	0.67	1 677.6	1964	1983	ASSIGNED WELL 06-31-068-02 W5M
1.20	0.170	0.65	17 310	51	0.850	0.70	1 680.8	1964	1984	
								1964	1986	TCPL CONCURRENT PRODUCTION
1.53	0.299	0.70	6 830	27	0.865	0.63	800.2	1974	1985	
1.85	0.280	0.50	6 780	27	0.876	0.60	811.4	1977	1983	
								1974	1985	TCPL
25.01	0.060	0.75	12 980	42	0.750	0.80	2 204.8	1960	1984	PROGAS TCPL
60.00	0.065	0.75	15 500	68	0.794	0.72	2 585.2	1978	1984	PROGAS TCPL
29.03	0.053	0.85	14 940	89	0.806	0.82	2 555.1	1977	1983	PROGAS TCPL TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
MORGAN 051-04W4									
TOTAL-MORGAN	724			470	3	467		16 892	
MORINVILLE 055-25W4									
LOWER MANNVILLE A SOLN	8	0.60	0.05	5[b]			40[a]		
LOWER MANNVILLE A ASSOC	808	0.80	0.10	581[b]	542[b]	44	40[a]	1 762	2 462
LOWER MANNVILLE E	482	0.85	0.05	390	362	28	40[a]	1 121	1 573
OTHER	3 096			2 011	795	1 216		48 611	
TOTAL-MORINVILLE	4 394			2 987	1 699	1 288		51 494	
MORKILL (SA) 054-10W5									
TOTAL-MORKILL	19			10		10		374	
MORLEY 026-07W5									
TOTAL-MORLEY	316			174	174				
MORNINGSIDE 042-28W4									
TOTAL-MORNINGSIDE	1 241			810	2	808		30 244	
MORSE (SA) 064-09W5									
TOTAL-MORSE	288			195		195		7 227	
MOSES (SA) 097-12W5									
TOTAL-MOSES	4			2		2		74	
MOSSLEIGH 021-24W4									
TOTAL-MOSSLEIGH	209			145	8	137		5 129	
MOUNTAIN 047-22W5									
TRIASSIC B	596	0.90	0.05	509	81	428	41	17 462	440
TRIASSIC C	404	0.85	0.10	309	138	171	41	6 977	440
TURNER VALLEY A	484	0.75	0.10	327	68	259	41	10 567	440
OTHER	1 378			975	168	807		30 236	
TOTAL-MOUNTAIN	2 862			2 120	455	1 665		65 242	
MULLIGAN 081-08W6									
CADOMIN 15-081-09	516	0.85	0.05	417		417	38	15 921	200
OTHER	628			442		442		16 876	
TOTAL-MULLIGAN	1 144			859		859		32 797	
MURIEL LAKE 059-04W4									
MANNVILLE A	396	0.65	0.05	244			37		2 126
MANNVILLE A	187	0.70	0.05	124			37		1 794
MANNVILLE A TOTAL	583	0.65	0.05	368	195	173	37	6 475	
OTHER	105			63	1	62		2 321	
TOTAL-MURIEL LAKE	688			431	196	235		8 796	
MUSIDORA 052-10W4									
TOTAL-MUSIDORA	827			593	119	474		17 980	
MUSKIKI (SA) 044-19W5									
TOTAL-MUSKIKI	148			63		63		2 453	
MUSKWA (SA) 085-25W4									
TOTAL-MUSKWA	16			10		10		367	
MUSREAU 062-06W6									
TOTAL-MUSREAU	722			512	80	432		17 378	
MYSTERY 060-07W5									
TOTAL-MYSTERY	50			35		35		1 328	
NAMAKA 022-24W4									
TOTAL-NAMAKA	227			160		160		6 050	
NAMEPI CREEK (SA) 058-21W4									
TOTAL-NAMEPI CREEK	63			40		40		1 497	
NAMUR (SA) 096-15W4									
TOTAL-NAMUR	32			16		16		599	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.68		1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.91	0.220	0.70	7 940	46	0.856	0.68	1 101.2	1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.27	0.181	0.70	8 000	46	0.867	0.63	1 082.0	1951	1982	NORCEN PRODUCTION DECLINE
10.95	0.073	0.80	28 270	116	0.975	0.62	3 083.4	1956	1973	PANALTA
9.50	0.050	0.80	28 280	96	0.903	0.63	3 225.0	1980	1986	PANALTA PRODUCTION DECLINE TOP/BASE TVD
17.50	0.030	0.90	29 460	99	0.967	0.77	3 342.5	1980	1984	PANALTA
24.80	0.150	0.65	10 520	49	0.870	0.59	1 140.5	1985	1986	
1.71	0.300	0.55	2 860	16	0.950	0.57	389.8	1952	1980	MATERIAL BALANCE
1.87	0.250	0.70	3 100	17	0.952	0.57	408.4	1952	1977	
								1952	1980	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE $10^6 m^3$	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES $10^6 m^3$	5 NET CUMULATIVE PRODUCTION $10^6 m^3$	6 REMAINING ESTABLISHED RESERVES $10^6 m^3$	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
NANTON (SA) 016-29W4									
TOTAL-NANTON	128			91		91		3 474	
NARRAWAY 064-12W6									
BELLOY 1 03-063-11	463	0.80	0.05	352		352	41	14 495	440
OTHER	74			56		56		2 201	
TOTAL-NARRAWAY	537			408		408		16 696	
NAYLOR (SA) 097-24W5									
TOTAL-NAYLOR	31			20		20		786	
NEERLANDIA 061-05W5									
TOTAL-NEERLANDIA	572			381		381		15 806	
NEGUS (SA) 060-26W5									
TOTAL-NEGUS	105			76		76		2 845	
NELSON 044-25W4									
TOTAL-NELSON	640			414		414		17 648	
NESTOW 060-24W4									
UPPER MANNVILLE A	528	0.70	0.05	352	148	204	37	7 636	573
LOWER MANNVILLE H	473	0.80	0.05	359	186	173	37	6 475	1 558
OTHER	1 099			729	184	545		20 384	
TOTAL-NESTOW	2 100			1 440	518	922		34 495	
NETOOK 063-10W6									
TOTAL-NETOOK	934			673		673		25 190	
NEVIS 039-22W4									
EDMONTON D	717	0.50	0.05	341	46	295	37	11 042	13 090
BELLY RIVER C	1 352	0.65	0.05	835	155	680	37	25 452	8 800
BLAIRMORE A	2 237	0.75	0.10	1 510	2	1 508	37	56 444	4 647
DEVONIAN ASSOC		0.55	0.15				37		6 285
DEVONIAN ASSOC		0.55	0.15				37		13 217
DEVONIAN TOTAL	36 318	0.55	0.15	16 979	16 975	4	37	150	
OTHER	2 077			1 290	55	1 235		46 224	
TOTAL-NEVIS	42 701			20 955	17 233	3 722		139 312	
NEW NORWAY 044-22W4									
TOTAL-NEW NORWAY	577			271	54	217		8 178	
NEWAND 065-04W6									
BLUESKY A	1 117	0.75	0.10	754	77	677	42	28 637	3 507
OTHER	217			154	78	76		3 215	
TOTAL-NEWAND	1 334			908	155	753		31 852	
NEWBROOK 062-20W4									
UPPER MANNVILLE C	389	0.85	0.05	314	60	254	37	9 507	986
OTHER	1 730			1 141	277	864		33 363	
TOTAL-NEWBROOK	2 119			1 455	337	1 118		42 870	
NEWBY 081-05W4									
MCMURRAY A	813	0.50	0.05	387	36	351	43	15 111	3 455
OTHER	2 202			1 081	1	1 080		46 000	
TOTAL-NEWBY	3 015			1 468	37	1 431		61 111	
NEWELL 017-14W4									
MILK RIVER A	1 438	0.70	0.05	957			36[a]		10 956
MEDICINE HAT A	104	0.70	0.03	71			36[a]		3 293
MEDICINE HAT C	90	0.50	0.03	44			36[a]		2 029
MEDICINE HAT D	38	0.50	0.03	18			36[a]		1 383
SE ALTA GAS SYS (MU) TOTAL	1 670	0.70	0.05	1 090	379	711	36[a]	25 816	
OTHER	360			251	21	230		8 751	
TOTAL-NEWELL	2 030			1 341	400	941		34 567	
NEWTON 058-03W5									
TOTAL-NEWTON	299			206		206		7 722	
NINA (SA) 092-20W5									
TOTAL-NINA	8			5		5		200	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.87	0.075	0.75	31 030	171	1.048	0.56	4 349.4	1977	1978	PROGAS BER
1.96	0.200	0.65	6 520	21	0.870	0.59	812.6	1970	1976	TCPL MATERIAL BALANCE
3.63	0.219	0.65	5 820	40	0.900	0.61	882.7	1952	1978	TCPL
6.35	0.273	0.50	630	13	0.991	0.57	314.2	1979	1986	PANALTA TCPL PART OF EDMONTON POOL NO.1
5.88	0.250	0.40	2 020	22	0.960	0.56	491.1	1977	1986	PANALTA TCPL PART OF BR POOL NO.1
2.78	0.199	0.70	11 160	43	0.808	0.67	1 378.8	1952	1985	DOMEDOW PROGAS TCPL NONCOMMERCIAL OIL
17.95	0.062	0.85	16 150	56	0.795	0.77	1 686.7	1952	1985	PRODUCTION DECLINE OIL POOL DEPLETED
17.90	0.076	0.85	16 170	61	0.825	0.75	1 675.8	1952	1985	PRODUCTION DECLINE OIL POOL DEPLETED
								1952	1986	OIL POOL DEPLETED
2.94	0.090	0.65	20 240	94	0.847	0.73	2 356.4	1978	1982	PANALTA
3.54	0.294	0.75	4 720	21	0.903	0.58	576.9	1975	1984	PANALTA TCPL
6.60	0.288	0.70	1 720	14	0.964	0.56	205.5	1975	1986	PANALTA TCPL SOQUIP
5.19	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
0.73	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1978	
1.13	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
0.70	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
								1904	1983	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
NIOBE 035-27W4									
TOTAL-NIOBE	46			22		22		824	
NIPIN 074-21W4									
TOTAL-NIPIN	3			2		2		74	
NIPISI 079-08W5									
GILWOOD A SOLN	7 475	0.51	0.45	2 097	1 276	821	43	35 344	
OTHER	359			166	-107	273		11 498	
TOTAL-NIPISI	7 834			2 263	1 169	1 094		46 842	
NISKU (SA) 050-25W4									
TOTAL-NISKU	147			92		92		3 892	
NITON 054-13W5									
BASAL QUARTZ A ASSOC	1 351	0.75	0.10	912	335	577	40	23 109	3 284
ROCK CREEK F SOLN	752	0.40	0.30	211[b]			40		
ROCK CREEK F ASSOC	11 407	0.75	0.10	7 700[b]	1 814[b]	6 097	40	244 185	17 911
OTHER	2 273			1 508	246	1 262		50 671	
TOTAL-NITON	15 783			10 331	2 395	7 936		317 965	
NIXON 072-16W4									
LOWER MANNVILLE E	972	0.70	0.05	646	155	491	37	18 196	21 073
GROSMONT A	3 200	0.50	0.05	1 520	1 284	236	37	8 833	33 856
OTHER	392			213	39	174		6 456	
TOTAL-NIXON	4 564			2 379	1 478	901		33 485	
NORDEGG 041-17W5									
TRIASSIC A	446	0.85	0.05	360			37		1 192
RUNDLE A	382	0.55	0.05	200			37		746
TRIASSIC A & RUNDLE A TOTAL	828	0.70	0.05	560	226	334	37	12 502	
TOTAL-NORDEGG	828			560	226	334		12 502	
NORMANDVILLE 080-22W5									
MISSISSIPPIAN A	606	0.90	0.05	518	373	145	39	5 699	732
OTHER	1 365			958	134	824		32 355	
TOTAL-NORMANDVILLE	1 971			1 476	507	969		38 054	
NORRIS 053-18W4									
MIDDLE VIKING A	534	0.80	0.05	406	44	362	37	13 416	8 668
LOWER VIKING A	636	0.80	0.10	458		458	40	18 343	7 037
OTHER	3 131			1 979	495	1 484		57 626	
TOTAL-NORRIS	4 301			2 843	539	2 304		89 385	
NORTHVILLE 052-10W5									
JURASSIC D	614	0.85	0.15	444	10	434	37	16 245	1 605
OTHER	367			256	26	230		9 257	
TOTAL-NORTHVILLE	981			700	36	664		25 502	
NOSEHILL 055-20W5									
WINTERBURN A	459	0.75	0.10	310		310	40	12 301	256
D-3 A	947	0.70	0.05	630	45	585	37	21 897	64
OTHER	576			429		429		16 299	
TOTAL-NOSEHILL	1 982			1 369	45	1 324		50 497	
O'CHIESE (SA) 045-10W5									
TOTAL-O'CHIESE	185			121		121		4 529	
OAK 083-06W6									
TOTAL-OAK	179			121		121		4 529	
OBED 054-23W5									
D-2 A	3 815	0.75	0.35	1 860	2	1 858	40	73 725	1 584
LEDUC 36-054-23	2 713	0.50	0.40	814		814	40	32 300	400
OTHER	903			617		617		24 225	
TOTAL-OBED	7 431			3 291	2	3 289		130 250	
OBERLIN 038-21W4									
MANNVILLE	801	0.70	0.10	505	407	98	41	3 998	789
OTHER	205			131		131		5 308	
TOTAL-OBERLIN	1 006			636	407	229		9 306	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1965	1986	TCPL
2.53	0.140	0.70	16 060	71	0.800	0.73	1 939.1	1965	1985	TCPL CONCURRENT PRODUCTION
						0.74		1965	1986	DOMEDOW TCPL CONCURRENT PRODUCTION
4.60	0.142	0.60	16 200	77	0.810	0.74	1 940.1	1965	1986	DOMEDOW TCPL CONCURRENT PRODUCTION
2.10	0.240	0.40	2 280	24	0.954	0.57	445.6	1969	1986	NUL CWNGNUL
9.76	0.100	0.50	2 340	27	0.955	0.57	460.0	1969	1986	NUL CWNGNUL PRODUCTION DECLINE
5.84	0.058	0.85	12 620	46	0.865	0.58	1 489.6	1960	1982	
10.42	0.045	0.85	12 690	53	0.862	0.58	1 492.9	1960	1984	
								1960	1984	PROGAS TCPL
3.94	0.271	0.65	10 820	38	0.829	0.64	1 047.3	1956	1973	NUL
0.77	0.252	0.60	4 950	24	0.895	0.63	677.1	1977	1983	TCPL
1.13	0.273	0.55	4 960	25	0.889	0.63	715.1	1972	1983	TCPL
2.82	0.099	0.80	17 160	76	0.816	0.72	1 976.4	1981	1986	
13.26	0.050	0.85	54 030	121	1.225	0.60	3 788.7	1972	1975	PROGAS
93.40	0.050	0.85	63 980	94	1.330	0.59	4 020.9	1972	1979	PROGAS
17.22	0.065	0.80	38 470	135	0.997	0.80	4 008.2	1956	1986	TCPL
37.00	0.073	0.85	38 610	135	0.911	0.82	2 936.8	1966	1986	
2.26	0.260	0.75	10 070	54	0.827	0.69	1 321.9	1949	1986	A&S PWGE PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
OCHRE (SA) 090-16W5									
TOTAL-OCHRE	20			14		14		524	
OGSTON 089-10W5									
TOTAL-OGSTON	114			64		64		2 394	
OKOTOKS 021-28W4									
WABAMUN B	23 589	0.65	0.55	6 900	3 227	3 673	37	136 121	19 660
OTHER	1 082			597	37	560		21 730	
TOTAL-OKOTOKS	24 671			7 497	3 264	4 233		157 851	
OLDMAN 055-21W5									
TRIASSIC 056-21	2 084	0.80	0.10	1 500		1 500	39	58 950	2 448
OTHER	900			598		598		22 753	
TOTAL-OLDMAN	2 984			2 098		2 098		81 703	
OLSON (SA) 056-01W6									
TOTAL-OLSON	93			63		63		2 358	
OMEGA 046-01W4									
TOTAL-OMEGA	291			206		206		7 711	
OPABIN 044-18W5									
TOTAL-OPABIN	331			239		239		8 678	
OPEN CREEK 042-05W5									
TOTAL-OPEN CREEK	1 842			1 288	151	1 137		45 414	
ORCHID 088-20W4									
TOTAL-ORCHID	15			8		8		296	
ORION 007-07W4									
TOTAL-ORION	309			221	56	165		6 137	
OSBORN 089-07W6									
TOTAL-OSBORN	251			159		159		6 249	
OSI (SA) 096-23W4									
TOTAL-OSI	129			81		81		3 032	
OWLSEYE 058-10W4									
TOTAL-OWLSEYE	695			457	22	435		16 607	
OXLEY (SA) 013-28W4									
TOTAL-OXLEY	208			152		152		5 759	
OYEN 029-05W4									
VIKING C	450	0.80	0.05	342	332	10	37	371	200
VIKING A	732	0.60	0.05	417			37		4 440
DETRITAL C	342	0.50	0.05	162			37		757
VIKING A & DETRITAL C TOTAL	1 074	0.55	0.05	579	471	108	37	4 002	
OTHER	1 182			754	351	403		15 026	
TOTAL-OYEN	2 706			1 675	1 154	521		19 399	
PADDLE RIVER 057-08W5									
JURASSIC_DETR_RUNDLE	13 285	0.90	0.08	11 000	6 470	4 530	42[a]	191 619	18 434
RUNDLE ASSOC	1 146	0.85	0.10	877	11	866	40	34 363	4 408
OTHER	981			634	16	618		25 745	
TOTAL-PADDLE RIVER	15 412			12 511	6 497	6 014		251 727	
PAGEANT 018-21W4									
TOTAL-PAGEANT	595			406		406		15 449	
PAKOWKI LAKE 004-07W4									
BOW ISLAND A	913	0.50	0.05	434	363	71	35	2 498	6 888
JURASSIC B	461	0.85	0.05	372	7	365	37	13 662	200
OTHER	789			585	213	372		13 606	
TOTAL-PAKOWKI LAKE	2 163			1 391	583	808		29 766	
PALLISER 062-10W6									
TOTAL-PALLISER	74			50		50		1 872	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
11.65	0.051	0.80	24 800	80	0.734	0.90	2 659.2	1951	1985	CWNGNUL KANNGAZ PANALTA TCPL MATERIAL BALANCE
3.83	0.140	0.80	24 540	106	0.928	0.66	2 896.9	1977	1984	PROGAS TCPL
5.20	0.292	0.50	6 690	32	0.892	0.58	784.9	1951	1986	TCPL PRODUCTION DECLINE
1.26	0.301	0.55	6 670	34	0.893	0.58	765.1	1963	1985	PRODUCTION DECLINE
2.77	0.287	0.65	8 200	34	0.870	0.58	874.2	1963	1985	PRODUCTION DECLINE
								1963	1985	TCPL
6.20	0.145	0.35	12 230	60	0.815	0.70	1 529.9	1956	1983	NUL CWNGNUL MATERIAL BALANCE
4.38	0.076	0.60	12 240	55	0.815	0.68	1 551.4	1956	1977	NUL CWNGNUL CONCURRENT PRODUCTION OIL DEPLETED
1.27	0.258	0.70	5 480	24	0.908	0.59	667.4	1955	1986	
8.95	0.250	0.85	11 020	33	0.845	0.59	986.6	1974	1974	CMG

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
PANTHER RIVER 030-10W5									
RUNDLE A	767	0.75	0.15	489	11	478	51[a]	24 149	200
RUNDLE B	780	0.75	0.20	468		468	38	17 695	200
TURNER VALLEY 29-029-10	2 773	0.75	0.25	1 560		1 560	38	58 984	440
OTHER	3 458			235		235		8 885	
TOTAL-PANTHER RIVER	7 778			2 752	11	2 741		109 713	
PARADISE 047-02W4									
TOTAL-PARADISE	285			186		186		6 641	
PARFLESH 025-22W4									
TOTAL-PARFLESH	1 128			638	77	561		21 561	
PARKER 070-05W5									
TOTAL-PARKER	185			107	80	27		1 082	
PARKLAND 015-28W4									
TOTAL-PARKLAND	497			350	38	312		11 678	
PARKLAND NORTHEAST 015-27W4									
LOWER MANNVILLE A	534	0.75	0.10	361	80	281	38	10 625	792
MOUNT HEAD 015-26	733	0.90	0.10	594		594	38	22 459	810
OTHER	916			641	196	445		16 826	
TOTAL-PARKLAND NORTHEAST	2 183			1 596	276	1 320		49 910	
PASS 060-20W5									
TOTAL-PASS	670			451	66	385		15 419	
PASTECHO (SA) 079-06W5									
TOTAL-PASTECHO	27			18		18		674	
PAXON 065-21W4									
TOTAL-PAXON	87			53		53		1 983	
PEACOCK 014-27W4									
TOTAL-PEACOCK	24			16	9	7		262	
PEAK 119-05W6									
TOTAL-PEAK	33			22		22		947	
PEARL 030-16W4									
TOTAL-PEARL	103			63		63		2 369	
PEAVEY 056-24W4									
TOTAL-PEAVEY	492			297	159	138		5 195	
PEAVINE (SA) 075-20W5									
TOTAL-PEAVINE	11			7		7		262	
PECO 047-15W5									
GETHING A	4 444	0.75	0.10	3 000	619	2 381	39	93 573	4 733
JURASSIC A	626	0.90	0.10	507	152	355	37	13 288	1 152
JURASSIC B	1 511	0.75	0.10	1 020		1 020	37	38 179	1 971
OTHER	2 002			1 353	270	1 083		42 231	
TOTAL-PECO	8 583			5 880	1 041	4 839		187 271	
PEDIGREE (SA) 100-12W6									
TOTAL-PEDIGREE	232			146		146		5 475	
PEDLEY (SA) 053-25W5									
TOTAL-PEDLEY	1 399			952		952		36 819	
PEERLESS 079-22W4									
TOTAL-PEERLESS	94			59		59		2 187	
PEIGAN 008-08W4									
TOTAL-PEIGAN	145			108		108		4 047	
PELICAN 079-24W4									
WABISKAW A	490	0.65	0.05	303		303	37	11 229	8 526
OTHER	315			187		187		6 955	
TOTAL-PELICAN	805			490		490		18 184	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
35.00	0.060	0.85	24 130	78	0.910	0.67	3 936.6	1958	1984	
48.00	0.040	0.85	30 790	104	0.972	0.70	4 556.5	1973	1984	TOP/BASE TVD
54.07	0.047	0.85	39 280	102	1.021	0.75	4 578.4	1978	1986	TOP/BASE TVD
5.90	0.132	0.55	15 560	65	0.831	0.66	2 273.1	1979	1984	PROGAS
4.95	0.123	0.75	19 800	64	0.843	0.66	2 113.3	1953	1979	
2.85	0.137	0.85	38 500	102	1.032	0.70	3 048.4	1971	1985	TCPL
4.21	0.140	0.50	20 680	93	0.871	0.68	3 116.9	1960	1975	NUL CWNGNUL
3.77	0.129	0.75	20 700	93	0.889	0.82	3 110.1	1971	1985	TCPL
1.35	0.271	0.55	2 830	24	0.948	0.57	461.6	1967	1986	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
PEMBINA 048-07W5									
KEY BELLY RIVER A	1 195	0.70	0.05	795	625	170	40	6 809	2 207
BELLY RIVER SS	464	0.75	0.05	330	83	247	40	9 892	1 209
BELLY RIVER ZZ	858	0.75	0.10	580	267	313	40[a]	12 536	2 675
BELLY RIVER A2A SOLN	22	0.45	0.35	7[b]			40		
BELLY RIVER A2A ASSOC	793	0.75	0.10	536[b]	86[b]	457	40	18 303	1 783
CARDIUM SOLN	113 280	0.34	0.47	20 400	11 387	9 013	42[a]	381 250	
LOB GLAUCONITIC A	4 391	0.70	0.06	2 890	1 900	990	42	41 501	7 748
LOB GLAUCONITIC E	3 580	0.90	0.10	2 900			42[a]		3 660
LOBSTICK GLAUC G	974	0.90	0.10	789			42[a]		1 758
LOB GLAUCONITIC E & G TOTAL	4 554	0.90	0.10	3 689	1 491	2 198	42[a]	92 975	
GLAUCONITIC I	3 921	0.70	0.06	2 580			42[a]		4 541
LOBSTICK GLAUC D	195	0.70	0.05	130			42		200
GLAUC I & LOB GLAUC D TOTAL	4 116	0.70	0.05	2 710	994	1 716	42[a]	71 935	
NISKU L SOLN	620	0.82	0.20	406	108	298	40	11 935	
NISKU P SOLN	791	0.75	0.30	415	128	287	40	11 494	
NISKU Q SOLN	420	0.84	0.15	300	38	262	40	10 493	
OTHER	23 868			11 982	-1 096	13 078		532 000	
TOTAL-PEMBINA	155 372			45 040	16 011	29 029		1 201 123	
PENDANT D'OREILLE 004-09W4									
BOW ISLAND B	453	0.75	0.05	323	292	31	35	1 091	4 557
BOW ISLAND		0.85	0.05				35		17 914
BOW ISLAND F		0.85	0.05				35		8 378
BOW ISLAND G		0.85	0.05				35		970
BOW ISLAND H		0.85	0.05				35		1 926
BOW ISLAND J		0.85	0.05				35		200
BOW ISL & BI FGH&J TOTAL	5 201	0.85	0.05	4 200	3 388	812	35	28 574	
MANNVILLE A	1 217	0.90	0.05	1 040	864	176	37	6 588	1 812
MANNVILLE C	1 220	0.85	0.05	985	831	154	37	5 764	1 417
OTHER	1 961			1 369	531	838		30 592	
TOTAL-PENDANT D'OREILLE	10 052			7 917	5 906	2 011		72 609	
PENHOLD 036-27W4									
LOWER MANNVILLE B	525	0.85	0.05	424	292	132	42	5 533	930
OTHER	1 729			1 124	41	1 083		43 255	
TOTAL-PENHOLD	2 254			1 548	333	1 215		48 788	
PEORIA 076-02W6									
TOTAL-PEORIA	391			277		277		10 909	
PEPPERS (SA) 053-24W5									
TOTAL-PEPPERS	616			434		434		17 222	
PERCY (SA) 033-04W4									
TOTAL-PERCY	150			108		108		4 084	
PERRYVALE 064-23W4									
TOTAL-PERRYVALE	152			105		105		4 126	
PERT (SA) 125-06W6									
TOTAL-PERT	4			3		3		118	
PETER 072-01W5									
TOTAL-PETER	15			9		9		360	
PETITOT (SA) 122-10W6									
TOTAL-PETITOT	48			29		29		1 134	
PHILOMENA 071-09W4									
TOTAL-PHILOMENA	839			420	57	363		13 853	
PHILP (SA) 002-12W4									
TOTAL-PHILP	47			29		29		1 085	
PHOENIX 039-10W5									
TOTAL-PHOENIX	664			451	50	401		15 095	
PICA (SA) 084-05W6									
TOTAL-PICA	26			18		18		687	
PINCHER CREEK 004-29W4									
RUNDLE A	44 927	0.30	0.31	9 300	9 103	197	38[a]	7 521	5 666

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.93	0.192	0.65	7 030	38	0.879	0.59	975.6	1956	1985	NUL CWNGNUL
3.25	0.201	0.60	6 580	27	0.869	0.61	925.8	1957	1984	A&S
3.25	0.214	0.65	6 510	27	0.870	0.62	881.6	1965	1984	CWNGNUL PANALTA
						0.69		1978	1986	CONCURRENT PRODUCTION
5.38	0.133	0.60	9 350	42	0.815	0.69	1 312.3	1978	1986	CONCURRENT PRODUCTION
								1953	1982	NUL A&S CWNGNUL TCPL PANALTA PROGAS
7.86	0.139	0.50	13 400	55	0.800	0.69	1 806.0	1957	1985	DOMEDOW A&S CWNGNUL PRODUCTION DECLINE
7.53	0.151	0.60	13 650	58	0.818	0.69	1 694.4	1959	1983	
4.70	0.137	0.60	13 650	58	0.818	0.69	1 691.9	1960	1981	
								1959	1983	CWNGNUL KANNGAZ
7.35	0.141	0.60	13 310	59	0.821	0.67	1 854.6	1958	1984	PART OF GLAUC POOL NO.5
8.07	0.140	0.60	13 720	60	0.813	0.67	1 846.4	1960	1982	PART OF GLAUC POOL NO.5
								1958	1984	A&S PART OF GLAUC POOL NO.5
						0.66		1978	1986	
						0.66		1979	1984	
						0.66		1980	1986	
1.26	0.221	0.75	5 100	24	0.913	0.59	653.9	1954	1983	CMG MATERIAL BALANCE
2.60	0.252	0.70	4 670	24	0.921	0.59	620.4	1946	1983	MATERIAL BALANCE
1.48	0.255	0.65	4 950	24	0.916	0.59	685.7	1946	1983	MATERIAL BALANCE
1.34	0.200	0.65	4 850	20	0.914	0.59	635.6	1946	1983	MATERIAL BALANCE
1.37	0.209	0.70	4 850	20	0.914	0.59	653.4	1946	1983	MATERIAL BALANCE
2.10	0.209	0.70	5 030	24	0.914	0.59	669.5	1957	1983	MATERIAL BALANCE
								1946	1983	CMG
6.10	0.214	0.65	7 930	30	0.872	0.57	845.3	1961	1971	CMG MATERIAL BALANCE
7.53	0.223	0.65	8 230	30	0.868	0.57	818.1	1965	1984	CMG MATERIAL BALANCE
10.67	0.116	0.75	16 200	71	0.818	0.72	1 899.9	1971	1983	A&S KANNGAZ MATERIAL BALANCE
107.59	0.040	0.80	34 080	89	1.006	0.74	3 810.0	1948	1983	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
PINCHER CREEK 004-29W4 (CONTINUED)									
TOTAL-PINCHER CREEK	44 927			9 300	9 103	197		7 521	
PINE CREEK 057-19W5									
CARDIUM H & I SOLN	1 019	0.62	0.20	506			39		
CARDIUM H & I TOTAL	1 019	0.60	0.20	506	214	292	39	11 476	
LOWER MANNVILLE11-057-20	393	0.85	0.05	317		317	37	11 865	200
NORDEGG A	4 984	0.70	0.10	3 140	330	2 810	39	110 433	8 275
ELKTON A	669	0.85	0.10	512	227	285	39	11 201	400
WABAMUN	3 069	0.80	0.45	1 350	1 155	195	39	7 664	1 619
WABAMUN B	6 773	0.80	0.45	2 980	2 559	421	39	16 545	3 905
WABAMUN C	4 231	0.80	0.35	2 200	1 468	732	39	28 768	663
D-3	23 518	0.35	0.35	5 350	4 896	454	37	16 993	3 984
D-3 B	1 423	0.85	0.35	787		787	37	29 457	128
OTHER	2 766			1 648	15	1 633		63 890	
TOTAL-PINE CREEK	48 845			18 790	10 864	7 926		308 292	
PINE NORTH WEST 058-20W5									
D-3 A	8 991	0.35	0.25	2 360	1 698	662	37	24 282	1 305
OTHER	252			179	36	143		5 579	
TOTAL-PINE NORTH WEST	9 243			2 539	1 734	805		29 861	
PINEDALE 054-16W4									
TOTAL-PINEDALE	454			300	13	287		10 794	
PINEHURST 066-10W4									
TOTAL-PINEHURST	73			47		47		1 759	
PINGEL 081-07W6									
TOTAL-PINGEL	202			145		145		5 807	
PLACID 060-23W5									
TOTAL-PLACID	130			91		91		3 576	
PLAIN 053-12W4									
UPPER MANNVILLE F	652	0.75	0.05	465	408	57	37	2 134	2 140
UPPER MANNVILLE H	95	0.70	0.05	64			37		996
UPPER MANNVILLE K	193	0.70	0.05	128			37		794
UPPER MANNVILLE L	17	0.70	0.05	11			37		200
UPPER MANNVILLE M	9	0.70	0.05	6			37		128
SPARKY B	348	0.80	0.03	270			37		1 745
U MANN HKLM & SPKY B TOTAL	662	0.75	0.05	479	239	240	37	8 983	
UPPER MANNVILLE A	114	0.70	0.05	76			37		581
UPPER MANNVILLE B	64	0.70	0.05	43			37		128
COLONY A	278	0.65	0.05	172			37		1 424
SPARKY A	135	0.70	0.05	90			37		660
U MN AB,COL A & SPKY TOTAL	591	0.70	0.05	381	90	291	37	10 892	
COLONY F	531	0.85	0.05	428	221	207	37	7 748	2 885
COLONY B	360	0.70	0.05	239			37		1 708
COLONY C	112	0.80	0.05	86			37		200
COLONY B & C TOTAL	472	0.70	0.05	325	60	265	37	9 919	
LOWER MANNVILLE D		0.65	0.05				37		256
NISKU C		0.70	0.05				37		344
L MANN D & NISKU C TOTAL	506	0.70	0.05	336	230	106	37	3 928	
CAMROSE A	1 011	0.75	0.05	720	461	259	37[a]	9 599	4 411
OTHER	7 239			4 851	1 554	3 297		123 197	
TOTAL-PLAIN	11 664			7 985	3 263	4 722		176 400	
PLANTE 055-22W5									
TOTAL-PLANTE	679			497		497		19 399	
PLEASANT 068-20W4									
TOTAL-PLEASANT	586			386	148	238		8 908	
PLUTO (SA) 044-15W5									
TOTAL-PLUTO	39			26		26		1 102	
POINT ALISON (SA) 052-04W5									
TOTAL-POINT ALISON	341			231		231		9 758	
POLLOCKVILLE 025-10W4									
TOTAL-POLLOCKVILLE	322			230		230		8 609	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.71		1980	1982	
						0.71		1980	1982	CNG TCPL
7.92	0.160	0.70	26 510	85	0.950	0.57	2 861.8	1977	1983	A&S PROGAS
4.45	0.097	0.75	21 920	96	0.908	0.65	2 691.0	1965	1985	A&S PANALTA PROGAS TCPL
12.50	0.082	0.80	23 230	80	0.917	0.67	2 600.2	1968	1982	PANALTA
3.52	0.069	0.85	29 790	99	0.828	0.84	3 026.1	1957	1983	A&S PANALTA PROGAS MATERIAL BALANCE
6.61	0.069	0.85	29 500	99	0.863	0.82	3 130.3	1956	1983	PANALTA A&S PROGAS MATERIAL BALANCE
5.05	0.062	0.85	31 220	115	0.916	0.78	3 459.2	1958	1985	A&S MATERIAL BALANCE
39.14	0.070	0.85	31 550	113	0.917	0.77	3 360.1	1957	1975	A&S PANALTA PROGAS
54.89	0.096	0.85	29 410	106	0.889	0.77	3 384.5	1973	1984	A&S
47.50	0.064	0.90	32 060	116	0.963	0.70	3 250.2	1963	1982	A&S PRODUCTION DECLINE
1.87	0.280	0.60	4 620	24	0.910	0.57	725.7	1968	1981	TCPL MATERIAL BALANCE
1.26	0.250	0.55	5 170	24	0.902	0.57	647.2	1959	1978	
1.26	0.300	0.55	5 210	24	0.900	0.57	657.8	1959	1982	PRODUCTION DECLINE
1.20	0.210	0.60	5 200	23	0.901	0.57	656.6	1975	1983	
0.90	0.270	0.50	5 170	24	0.900	0.58	672.7	1975	1983	
2.53	0.275	0.55	4 900	24	0.900	0.57	673.9	1958	1974	
								1958	1983	TCPL
2.40	0.275	0.55	5 100	24	0.904	0.58	647.4	1952	1986	
5.55	0.275	0.60	5 140	24	0.898	0.58	639.2	1959	1986	
2.00	0.275	0.70	4 790	24	0.903	0.58	607.4	1952	1986	
2.60	0.275	0.55	4 900	24	0.903	0.58	665.1	1952	1976	
								1952	1982	CWNGNUL TCPL
1.83	0.300	0.65	4 830	21	0.906	0.58	604.3	1970	1978	TCPL
2.14	0.275	0.70	4 930	29	0.907	0.60	609.6	1958	1978	
5.55	0.275	0.70	4 960	24	0.908	0.56	603.5	1968	1969	
								1958	1978	TCPL
1.50	0.250	0.60	4 670	24	0.911	0.57	714.8	1970	1985	MATERIAL BALANCE
4.65	0.180	0.55	4 670	27	0.917	0.71	723.9	1970	1986	MATERIAL BALANCE
								1970	1985	TCPL
2.64	0.150	0.60	4 650	33	0.923	0.57	733.7	1968	1981	NUL CWNGNUL TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
POMME (SA) 115-24W5									
TOTAL-POMME	17			10		10		393	
PONOKA 043-26W4									
TOTAL-PONOKA	67			45		45		1 937	
PONY (SA) 080-08W4									
TOTAL-PONY	18			10		10		374	
PORTAGE 078-17W4									
MCMURRAY-GROSMONT A	1 535	0.60	0.05	875			37		17 404
MCMURRAY-GROSMONT A	1 378	0.50	0.05	655			37		17 386
MCMURRAY-GROSMONT A TOTAL	2 913	0.55	0.05	1 530	1 301	229	37	8 530	
OTHER	241			131		131		4 902	
TOTAL-PORTAGE	3 154			1 661	1 301	360		13 432	
POTOGO (SA) 095-21W5									
TOTAL-POTOGO	9			7		7		275	
POUCE COUPE 080-12W6									
PEACE RIVER A	4 816	0.75	0.02	3 540	3 272	268	37	10 031	11 891
KISKATINAW D	3 750	0.80	0.10	2 700	168	2 532	38	96 672	3 733
OTHER	2 779			1 968	266	1 702		66 758	
TOTAL-POUCE COUPE	11 345			8 208	3 706	4 502		173 461	
POUCE COUPE SOUTH 078-12W6									
PEACE RIVER A	969	0.70	0.03	658	643	15	39	584	6 809
PEACE RIVER B	1 284	0.70	0.02	881	875	6	39	234	4 962
GETHING A	526	0.90	0.03	459	459	< 1	37	-	400
CADOMIN 077-11	462	0.80	0.10	333		333	37	12 464	901
BOUNDARY B SOLN	899	0.65	0.25	438	31	407	37	15 234	
DOIG B	2 959	0.80	0.10	2 130	145	1 985	37	74 299	2 758
OTHER	2 248			1 539	254	1 285		48 158	
TOTAL-POUCE COUPE SOUTH	9 347			6 438	2 407	4 031		150 973	
PRAIRIE RIVER (SA) 070-14W5									
TOTAL-PRAIRIE RIVER	150			102		102		4 009	
PRESLEY 059-19W5									
TOTAL-PRESLEY	783			582	119	463		18 196	
PRESPATOU (SA) 088-13W6									
TOTAL-PRESPATOU	167			107		107		4 205	
PREVO 039-01W5									
PEKISKO B	1 250	0.60	0.10	675	556	119	42[a]	4 944	604
OTHER	1 350			812	165	647		25 269	
TOTAL-PREVO	2 600			1 487	721	766		30 213	
PRINCESS 020-11W4									
MILK RIVER A	11 684	0.70	0.05	7 770			36[a]		87 450
MEDICINE HAT A	6 407	0.70	0.03	4 350			36[a]		83 636
MEDICINE HAT C	736	0.50	0.03	357			36[a]		26 788
MEDICINE HAT D	516	0.50	0.03	250			36[a]		18 009
SECOND WHITE SPECKS A	7 761	0.75	0.05	5 530			36		66 097
SE ALTA GAS SYS(MU) TOTAL	27 104	0.70	0.05	18 257	6 033	12 224	36[a]	443 853	
BASAL MANNVILLE A	509	0.90	0.05	435	141	294	38[a]	11 225	425
BASAL MANNVILLE M	769	0.60	0.05	438	429	9	38	344	739
JEFFERSON B	853	0.90	0.05	730	599	131	39[a]	5 051	2 817
OTHER	3 317			2 408	1 127	1 281		49 208	
TOTAL-PRINCESS	32 552			22 268	8 329	13 939		509 681	
PRITCHARD 061-01W4									
TOTAL-PRITCHARD	31			20	4	16		598	
PROGRESS 077-09W6									
HALFWAY B SOLN	707	0.65	0.10	414	8	406	39	15 655	
HALFWAY A	2 419	0.85	0.10	1 850	121	1 729	39	66 670	2 800
UPPER BELLOY 078-09	843	0.75	0.05	600		600	38	22 908	983
MIDDLE BELLOY 078-09	772	0.75	0.05	550		550	38	20 999	1 194
OTHER	3 562			2 579	33	2 546		97 640	
TOTAL-PROGRESS	8 303			5 993	162	5 831		223 872	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.68	0.350	0.55	1 700	20	0.965	0.57	358.4	1972	1982	
15.45	0.120	0.25	1 700	20	0.965	0.57	369.0	1972	1982	
								1972	1982	KANNGAZ
6.39	0.180	0.70	4 290	33	0.927	7.00	710.6	1943	1985	A&S WCOAST PRODUCTION DECLINE
7.01	0.095	0.80	21 350	86	0.897	0.63	2 345.3	1974	1985	PROGAS WCOAST A&S PANALTA
2.02	0.200	0.60	5 600	41	0.914	0.57	978.9	1956	1979	WCOAST MATERIAL BALANCE
8.26	0.168	0.70	5 540	40	0.910	0.58	1 010.1	1953	1986	WCOAST A&S PRODUCTION DECLINE
6.70	0.145	0.80	13 410	64	0.858	0.62	1 517.1	1958	1986	WCOAST
3.95	0.146	0.70	13 000	64	0.864	0.63	1 542.0	1979	1982	WCOAST
						0.79		1980	1985	PANALTA PROGAS WCOAST
8.18	0.098	0.80	17 770	75	0.868	0.63	1 912.4	1977	1986	WCOAST A&S TCPL PANALTA
9.69	0.071	0.60	16 490	61	0.805	0.69	2 013.9	1958	1986	TCPL PRODUCTION DECLINE
5.28	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.77	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.70	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.73	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
1.51	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1982	PANALTA TCPL
								1904	1986	KANNGAZ PANALTA TCPL
6.98	0.200	0.70	10 690	31	0.816	0.61	970.2	1940	1966	TCPL
2.79	0.250	0.50	10 800	35	0.828	0.63	995.2	1958	1977	TCPL MATERIAL BALANCE
4.12	0.080	0.75	10 980	38	0.820	0.82	1 200.0	1940	1973	TCPL
								1984	1986	
5.63	0.121	0.75	17 650	77	0.848	0.65	1 881.5	1977	1986	PANALTA
5.70	0.133	0.70	18 940	83	0.936	0.65	2 049.7	1980	1984	SOQUIP
3.94	0.140	0.70	19 230	83	0.917	0.59	2 066.3	1980	1985	SOQUIP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
PROVINCE 008-11W4									
TOTAL-PROVINCE	57			40		40		1 423	
PROVOST 037-07W4									
BELLY RIVER B	455	0.70	0.05	303	66	237	38	9 049	2 644
VIKING CAK & MANN E ASSOC	50 000	0.75	0.04	36 000[b]			39[a]		469 193
VIKING CAK & MANN E SOLN	2 325	0.12	0.20	223[b]			39[a]		
VIKING CAK & MANN E TOTAL	52 325	0.70	0.05	36 223[b]	24 682[b]	11 541	39	449 291	
BASAL COLORADO D	459	0.80	0.05	349	32	317	38	12 103	3 606
BASAL COLORADO A	903	0.70	0.05	600			38		4 636
MANNVILLE M	21	0.65	0.05	13			38		200
BSL COLO A & MANN M TOTAL	924	0.70	0.05	613	58	555	38	21 190	
MANNVILLE Q	645	0.80	0.05	490	159	331	37	12 389	440
MANNVILLE Z	1 109	0.85	0.10	849	639	210	41	8 568	2 479
UPPER MANNVILLE AA	830	0.85	0.05	671	407	264	37	9 882	1 749
UPPER MANNVILLE E2E	6 223	0.75	0.10	4 200			41		12 035
LOWER MANNVILLE FF	87	0.70	0.10	55			41		528
U MANN E2E & L MANN F TOTAL	6 310	0.75	0.10	4 255	872	3 383	41	139 312	
LOWER MANNVILLE EE	527	0.80	0.05	401	191	210	41	8 648	400
OTHER	18 066			11 896	1 675	10 221		387 641	
TOTAL-PROVOST	81 650			56 050	28 781	27 269		1 058 073	
PUSKWASKAU 074-01W6									
LEDUC 20-073-01	556	0.65	0.15	307		307	37	11 491	200
OTHER	730			489		489		18 900	
TOTAL-PUSKWASKAU	1 286			796		796		30 391	
PYRAMID 105-10W6									
TOTAL-PYRAMID	50			33		33		1 321	
QUEENSTOWN 019-21W4									
TOTAL-QUEENSTOWN	127			87		87		3 322	
QUIGLEY (SA) 083-14W4									
TOTAL-QUIGLEY	2			1		1		37	
QUIRK CREEK 021-04W5									
RUNDLE A	13 000	0.80	0.25	7 800	5 485	2 315	40[a]	93 595	2 250
RUNDLE E	1 699	0.50	0.25	638	224	414	40	16 738	300
RUNDLE 15-021-05	803	0.80	0.25	482		482	40	19 487	200
OTHER	895			369	185	184		7 235	
TOTAL-QUIRK CREEK	16 397			9 289	5 894	3 395		137 055	
RACOSTA 031-11W4									
TOTAL-RACOSTA	556			379	39	340		12 774	
RADWAY 059-20W4									
TOTAL-RADWAY	513			348	1	347		12 984	
RAINBOW 110-06W6									
BLUESKY A	6 166	0.70	0.05	4 100			37		53 314
BLUESKY A	1 111	0.50	0.05	528			37		13 227
BLUESKY A	47	0.50	0.05	23			37		1 259
BLUESKY A	82	0.50	0.05	39			37		1 533
BLUESKY A	5	0.70	0.05	4			37		150
BLUESKY A	13	0.70	0.05	9			37		150
BLUESKY A	3	0.70	0.05	2			37		150
BLUESKY A	18	0.70	0.05	12			37		150
BLUESKY A	22	0.70	0.05	14			37		150
BLUESKY A	7	0.70	0.05	5			37		150
BLUESKY A TOTAL	7 474	0.65	0.05	4 736	1 241	3 495	37	130 818	
SLAVE POINT A	398	0.85	0.10	304	9	295	41	12 148	1 366
KEG RIVER B SOLN	3 403	0.72	0.30	1 715	1 018	697	47[a]	32 871	
KEG RIVER F SOLN	4 286	0.70	0.45	1 650	1 522	128	46[a]	5 893	
KEG RIVER O SOLN	1 625	0.80	0.25	975	950	25	47[a]	1 179	
KEG RIVER II SOLN	586	0.75	0.30	308	191	117	47[a]	5 518	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.60	0.280	0.70	2 340	14	0.950	0.57	306.2	1971	1980	
1.60	0.220	0.38	5 890	29	0.890	0.60	765.0	1946	1985	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.60		1946	1985	MATERIAL BALANCE CONCURRENT PRODUCTION
								1946	1985	CWNGNUL PANALTA TCPL KANNGAZ PROGAS CONCURRENT PRODUCTION
1.10	0.250	0.70	6 310	33	0.886	0.60	983.6	1951	1977	PROGAS TCPL
2.53	0.200	0.60	6 130	34	0.885	0.62	928.8	1963	1984	
1.24	0.200	0.70	5 900	35	0.895	0.61	930.9	1976	1984	
								1975	1984	TCPL
3.50	0.300	0.80	6 140	30	0.894	0.59	804.3	1972	1985	TCPL MATERIAL BALANCE
2.23	0.295	0.80	7 790	33	0.852	0.63	1 063.9	1949	1986	LOC U TCPL PANALTA MATERIAL BALANCE
1.67	0.240	0.65	9 280	37	0.834	0.65	1 074.0	1975	1981	CWNGNUL MATERIAL BALANCE
4.68	0.202	0.65	7 820	35	0.858	0.63	1 125.1	1974	1985	CWNGNUL KANNGAZ PANALTA TCPL PROGAS
1.59	0.193	0.65	7 680	37	0.853	0.65	1 145.2	1982	1985	TCPL
								1974	1986	
3.60	0.146	0.60	7 810	35	0.853	0.63	1 126.2	1984	1986	PANALTA TCPL MATERIAL BALANCE
18.07	0.070	0.80	28 800	81	0.842	0.98	2 983.5	1980	1983	BER
43.39	0.080	0.80	15 720	49	0.745	0.77	1 921.5	1967	1984	TCPL MATERIAL BALANCE TOP/BASE TVD
59.25	0.063	0.80	18 550	73	0.804	0.75	2 799.9	1973	1985	TCPL TOP/BASE TVD
33.50	0.080	0.80	18 100	70	0.801	0.76	2 595.8	1975	1982	TCPL
5.30	0.210	0.40	2 520	19	0.945	0.59	335.3	1972	1986	PART OF BLSKY POOL NO.1
3.85	0.210	0.40	2 520	19	0.945	0.59	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.72	0.210	0.40	2 520	19	0.945	0.59	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.45	0.210	0.40	2 520	19	0.945	0.59	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.60	0.210	0.40	2 520	19	0.945	0.59	332.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-30-108-2 W6M
3.90	0.210	0.40	2 520	19	0.945	0.59	361.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-3-108-3 W6M
1.50	0.120	0.40	2 520	19	0.945	0.59	328.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-2-109-3 W6M
4.57	0.200	0.50	2 520	19	0.945	0.59	276.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-110-2 W6M
6.90	0.200	0.40	2 520	19	0.945	0.59	485.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 3-2-110-8 W6M
2.00	0.210	0.40	2 520	19	0.945	0.59	249.6	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-26-111-2 W6M
								1972	1986	PANALTA TCPL PART OF BLSKY POOL NO.1
4.39	0.072	0.65	14 130	69	0.828	0.70	1 687.9	1966	1976	
								1965	1986	
						0.72		1966	1986	
								1966	1983	
								1967	1983	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
RAINBOW 110-06W6 (CONTINUED)									
KEG RIVER A SOLN	3 409	0.88	0.30	2 100[b]			45[a]		
KEG RIVER A ASSOC	1 044	0.90	0.10	845[b]	-227[b]	3 172	45[a]	142 486	95
KEG RIVER F ASSOC	597	0.85	0.15	431	-38	469	46[a]	21 593	601
KEG RIVER AA SOLN	1 835	0.79	0.40	870[b]			47[a]		
KEG RIVER AA ASSOC		0.75	0.10			870	47[a]	41 029	
KEG RIVER Q	573	0.85	0.10	438		438	47	20 656	64
KEG RIVER FFF	543	0.90	0.10	440	332	108	43[a]	4 649	64
OTHER	12 432			6 029	153	5 876		261 238	
TOTAL-RAINBOW	38 205			20 841	5 151	15 690		680 078	
RAINBOW SOUTH 107-09W6									
KEG RIVER A ASSOC	425	0.85	0.15	307		307	44[a]	13 502	84
KEG RIVER B SOLN	1 056	0.80	0.40	507[b]			44[a]		
KEG RIVER B ASSOC	138	0.75	0.20	83[b]	-150[b]	740	44[a]	32 545	37
OTHER	6 651			3 193	1 122	2 071		86 113	
TOTAL-RAINBOW SOUTH	8 270			4 090	972	3 118		132 160	
RAINIER 017-15W4									
TOTAL-RAINIER	508			359	13	346		13 148	
RAMBLING 090-07W6									
TOTAL-RAMBLING	40			25		25		982	
RANFURLY 050-12W4									
TOTAL-RANFURLY	1 586			1 077	385	692		25 868	
RASPBERRY (SA) 066-17W5									
TOTAL-RASPBERRY	108			77		77		2 882	
RATZ (SA) 126-18W5									
TOTAL-RATZ	68			49		49		1 989	
REAGAN 001-19W4									
TOTAL-REAGAN	170			82	18	64		2 395	
RED CAP (SA) 046-20W5									
TOTAL-RED CAP	599			410		410		15 597	
RED COULEE 001-17W4									
TOTAL-RED COULEE	19			14	11	3		115	
RED EARTH 087-08W5									
TOTAL-RED EARTH	433			228		228		8 454	
RED FISH (SA) 092-08W5									
TOTAL-RED FISH	27			15		15		556	
RED ROCK 063-07W6									
TOTAL-RED ROCK	1 300			928	184	744		27 848	
RED WILLOW 040-17W4									
VIKING C	250	0.75	0.05	179			38		3 348
VIKING D	396	0.60	0.05	226			38		4 064
VIKING C & D TOTAL	646	0.65	0.05	405	88	317	38	12 103	
OTHER	2 867			1 869	327	1 542		60 165	
TOTAL-RED WILLOW	3 513			2 274	415	1 859		72 268	
REDLAND 027-22W4									
UPPER MANNVILLE A	861	0.90	0.04	744	736	8	40	320	600
OTHER	617			413	213	200		7 832	
TOTAL-REDLAND	1 478			1 157	949	208		8 152	
REDWATER 057-21W4									
UPPER VIKING A	2 553	0.80	0.05	1 940[b]			39		48 972
MIDDLE VIKING A	785	0.80	0.05	597[b]			39		11 540
LOWER VIKING A ASSOC	285	0.80	0.05	217[b]			39		2 265
LOWER VIKING A SOLN	104	0.60	0.25	47[b]			39		
UV A & MV A & LV A TOTAL	3 727	0.80	0.05	2 801[b]	691[b]	2 110	39	82 142	
D-3 SOLN	7 452	0.62	0.65	1 617	1 506	111	46[a]	5 069	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.82		1965	1986	DRY GAS BREAKTHROUGH
59.10	0.110	0.94	17 690	75	0.767	0.82	1 833.7	1965	1986	DRY GAS BREAKTHROUGH
17.03	0.052	0.65	17 100	72	0.817	0.72	1 792.2	1966	1986	
						0.81		1967	1986	CONING SECONDARY GAS CAP
						0.81		1967	1986	CONING SECONDARY GAS CAP
85.04	0.073	0.90	16 510	76	0.840	0.69	1 758.9	1967	1984	
122.19	0.046	0.80	17 690	60	0.801	0.70	1 862.0	1967	1968	
31.09	0.098	0.90	18 330	68	0.828	0.71	1 872.8	1965	1986	
						0.91		1966	1986	DRY GAS BREAKTHROUGH
20.51	0.100	0.90	18 330	68	0.754	0.91	1 876.3	1966	1986	DRY GAS BREAKTHROUGH
1.11	0.154	0.70	5 970	31	0.896	0.60	987.4	1971	1986	
1.22	0.194	0.65	6 100	33	0.896	0.60	992.4	1953	1986	
						0.60		1953	1984	DOMEDOW CNG PANALTA PROGAS TCPL
3.34	0.190	0.70	10 670	54	0.888	0.57	1 487.0	1961	1973	CWNG CWNGNUL MATERIAL BALANCE
0.81	0.240	0.50	5 240	33	0.908	0.60	703.8	1947	1981	PART OF VIK POOL NO.1
0.96	0.200	0.60	5 670	33	0.892	0.60	702.3	1947	1981	PART OF VIK POOL NO.1
0.82	0.220	0.60	5 450	21	0.880	0.60	624.8	1947	1986	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						0.60		1947	1986	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
								1947	1986	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						0.78		1948	1982	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
REDWATER 057-21W4 (CONTINUED)									
OTHER	3 945			2 589	421	2 168		84 577	
TOTAL-REDWATER	15 124			7 007	2 618	4 389		171 788	
REINE (SA) 081-22W5									
TOTAL-REINE	38			26		26		1 061	
REITA 059-03W4									
TOTAL-REITA	193			125		125		4 678	
RESDELN (SA) 083-06W4									
TOTAL-RESDELN	212			106		106		3 967	
RETLAW 012-18W4									
BASAL COLORADO B	466	0.85	0.05	376	181	195	38	7 445	3 504
MANNVILLE Y	1 030	0.85	0.20	701	241	460	37	17 218	328
MANNVILLE B & D ASSOC	1 567	0.90	0.05	1 340			37		960
MANNVILLE B & D TOTAL	1 567	0.90	0.05	1 340	781	559	37	20 923	
MANNVILLE K	325	0.90	0.15	249			37		587
MANNVILLE L	92	0.75	0.10	62			37		200
MANNVILLE K & L TOTAL	417	0.85	0.15	311	46	265	37	9 919	
GLAUCONITIC 24-012-18	544	0.85	0.10	416		416	37	15 571	200
MANNVILLE XXX	457	0.85	0.10	349	50	299	37	11 192	200
OTHER	8 997			5 892	1 172	4 720		175 871	
TOTAL-RETLAW	13 478			9 385	2 471	6 914		258 139	
RIBSTONE 042-04W4									
COLONY C	543	0.75	0.05	387	119	268	37	10 031	1 330
OTHER	889			582	27	555		20 770	
TOTAL-RIBSTONE	1 432			969	146	823		30 801	
RICH 035-21W4									
LOWER MANNVILLE A	1 777	0.75	0.10	1 200	484	716	41	29 485	4 610
LOWER MANNVILLE D	530	0.80	0.10	382	155	227	41	9 348	812
OTHER	956			602	99	503		20 129	
TOTAL-RICH	3 263			2 184	738	1 446		58 962	
RICHDALE 030-12W4									
VIKING A	1 091	0.80	0.05	829			38		9 326
VIKING C	577	0.80	0.05	439			38		4 823
VIKING F	136	0.75	0.05	97			38		440
VIKING A,C & F TOTAL	1 804	0.80	0.05	1 365	579	786	38	29 719	
OTHER	3 578			2 446	565	1 881		73 383	
TOTAL-RICHDALE	5 382			3 811	1 144	2 667		103 102	
RICHMOND 069-19W4									
TOTAL-RICHMOND	120			74	49	25		935	
RICINUS 035-08W5									
CARDIUM Q SOLN	548	0.85	0.10	419	16	403	37	15 084	
CARDIUM W SOLN	562	0.85	0.25	358	44	314	37	11 753	
CARDIUM A SOLN	2 653	0.85	0.15	1 917[b]			37		
CARDIUM A ASSOC	7 900	0.92	0.10	6 540[b]	531[b]	7 926	37	296 670	2 455
CARDIUM B ASSOC	537	[c]	[c]	334		334	40[a]	13 507	359
CARDIUM F SOLN	73	0.75	0.30	39[b]			37		
CARDIUM F ASSOC	2 222	0.80	0.10	1 600[b]	369[b]	1 270	37	47 536	827
CARDIUM L ASSOC	1 031	0.85	0.10	788	-133	921	37	34 473	650
CARDIUM SD 06-036-08	444	0.80	0.10	320		320	37	11 978	128
VIKING A	637	0.75	0.10	430			39		532
VIKING A	1 349	0.75	0.10	911			39		1 433
VIKING A TOTAL	1 986	0.75	0.10	1 341	149	1 192	39	46 846	
VIKING D	1 289	0.80	0.05	979	36	943	39	37 060	128
VIKING #1THRUST32-032-07	453	0.80	0.10	326		326	39	12 812	150
FLT VIKING 01-033-07	422	0.80	0.10	304		304	39	11 947	150
D-3 A	11 668	0.40	0.40	2 800	1 180	1 620	38	61 252	1 561
D-3 B	2 246	0.85	0.45	1 050	78	972	38	36 751	440
OTHER	5 922			3 599	587	3 012		115 346	
TOTAL-RICINUS	39 956			22 714	2 857	19 857		753 015	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.24	0.183	0.60	8 820	30	0.848	0.62	947.1	1960	1986	A&S TCPL PRODUCTION DECLINE
4.30	0.260	0.90	11 790	35	0.803	0.75	1 073.8	1974	1980	TCPL MATERIAL BALANCE
2.03	0.221	0.70	11 860	35	0.788	0.69	1 076.1	1959	1982	MATERIAL BALANCE
								1959	1982	TCPL CONCURRENT PRODUCTION
2.46	0.222	0.75	11 350	30	0.788	0.71	1 083.0	1954	1985	
4.01	0.190	0.65	8 320	35	0.828	0.71	1 097.4	1954	1976	
								1954	1985	TCPL
20.45	0.164	0.60	11 420	31	0.790	0.66	1 080.8	1981	1983	KANNGAZ
14.50	0.180	0.65	11 380	31	0.790	0.67	1 078.5	1981	1983	TCPL
4.21	0.289	0.60	5 270	23	0.905	0.66	645.8	1971	1982	TCPL
3.58	0.177	0.65	8 720	59	0.866	0.65	1 429.4	1953	1985	DOMEDOW PANALTA TCPL MATERIAL BALANCE
3.31	0.208	0.75	8 580	59	0.868	0.67	1 394.2	1973	1985	CNG PANALTA TCPL MATERIAL BALANCE
1.36	0.198	0.55	7 420	35	0.867	0.61	931.0	1955	1984	
1.59	0.190	0.50	7 490	35	0.873	0.60	940.6	1955	1984	
3.05	0.230	0.55	7 380	29	0.869	0.60	965.0	1970	1983	
								1955	1984	SLPETRO TCPL
						0.69		1973	1986	TCPL
						0.69		1976	1979	TCPL
						0.88		1969	1986	CNG TCPL GAS CYCLING, CONING GAS CAP
9.41	0.146	0.90	27 080	77	0.850	0.88	2 684.1	1969	1986	CNG TCPL GAS CYCLING, CONING GAS CAP
6.39	0.143	0.65	27 060	81	0.863	0.72	2 649.9	1969	1986	A&S TCPL GAS CYCLING
						0.69		1969	1986	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
10.25	0.132	0.85	14 000	62	0.806	0.69	1 970.8	1969	1986	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
11.30	0.112	0.85	14 120	65	0.806	0.68	2 103.5	1970	1986	CNG TCPL
11.90	0.140	0.85	27 580	79	0.909	0.72	2 633.1	1984	1985	TCPL
8.73	0.101	0.70	19 930	69	0.854	0.66	2 434.7	1972	1985	
7.24	0.092	0.75	19 930	74	0.867	0.65	2 317.3	1972	1985	
								1972	1985	PANALTA PROGAS TCPL
48.80	0.120	0.90	20 000	73	0.860	0.65	2 755.2	1985	1986	TOP/BASE TVD
20.80	0.100	0.75	20 500	74	0.867	0.66	2 793.1	1978	1985	PANALTA
16.10	0.098	0.90	20 650	76	0.849	0.71	2 860.9	1982	1985	TOP/BASE TVD
35.15	0.076	0.90	40 610	108	0.975	0.79	4 200.4	1968	1984	A&S CNG TCPL PRODUCTION DECLINE
62.86	0.033	0.80	39 970	116	0.950	0.82	4 266.2	1972	1982	CNG

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
RICINUS WEST 036-10W5									
D-3 A	49 494	0.90	0.45	24 500	19 051	5 449	38	206 027	2 591
OTHER	319			253	228	25		899	
TOTAL-RICINUS WEST	49 813			24 753	19 279	5 474		206 926	
RINGS 080-05W6									
TOTAL-RINGS	94			66		66		2 577	
RIVERCOURSE 047-01W4									
TOTAL-RIVERCOURSE	700			487	35	452		16 779	
RIVIERE 055-27W4									
TOTAL-RIVIERE	319			204	11	193		7 629	
ROBIN (SA) 013-20W4									
TOTAL-ROBIN	241			164		164		6 123	
ROCHE (SA) 067-07W5									
TOTAL-ROCHE	73			48		48		1 779	
ROCHESTER 062-23W4									
TOTAL-ROCHESTER	611			404	100	304		11 621	
ROCKYFORD 026-23W4									
UPPER MANNVILLE A	394	0.85	0.10	302			40		596
LOWER MANNVILLE D	106	0.75	0.10	72			40		150
U MANN A & L MANN D TOTAL	500	0.85	0.10	374	215	159	40	6 368	
OTHER	994			638	51	587		23 486	
TOTAL-ROCKYFORD	1 494			1 012	266	746		29 854	
ROLLA 079-06W6									
TOTAL-ROLLA	143			98		98		3 687	
ROMEO 025-04W4									
TOTAL-ROMEO	442			312		312		12 526	
RONALANE 013-12W4									
TOTAL-RONALANE	68			50		50		1 815	
ROSEBUD 027-21W4									
TOTAL-ROSEBUD	139			94		94		4 047	
ROSEVEAR 054-15W5									
BEAVERHILL LAKE A	7 095	0.90	0.17	5 300	2 329	2 971	37	111 205	3 201
BEAVERHILL LAKE B	6 095	0.85	0.17	4 300	1 021	3 279	37	122 733	2 122
OTHER	253			165		165		6 680	
TOTAL-ROSEVEAR	13 443			9 765	3 350	6 415		240 618	
ROSSBEAR (SA) 094-14W5									
TOTAL-ROSSBEAR	10			6		6		225	
ROUSSEAU (SA) 090-01W6									
TOTAL-ROUSSEAU	10			6		6		236	
ROUTE 062-08W6									
TOTAL-ROUTE	201			135	6	129		4 856	
ROWLEY 032-20W4									
BELLY RIVER A	558	0.65	0.05	345	262	83	37	3 107	1 002
PEKISKO A SOLN	613	0.65	0.05	378[b]			40		
PEKISKO A ASSOC	1 409	0.92	0.05	1 231[b]	1 105[b]	504	40	20 185	3 300
OTHER	1 871			1 197	130	1 067		41 480	
TOTAL-ROWLEY	4 451			3 151	1 497	1 654		64 772	
ROXANA 078-19W5									
BELLOY A	554	0.70	0.10	349	1	348	40	13 809	2 758
OTHER	446			300		300		11 970	
TOTAL-ROXANA	1 000			649	1	648		25 779	
ROYAL 053-16W4									
TOTAL-ROYAL	1 723			1 086	68	1 018		39 890	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
124.66	0.070	0.90	39 910	118	0.922	0.82	4 469.0	1969	1986	A&S CNG TCPL MATERIAL BALANCE
3.24	0.182	0.85	11 450	42	0.783	0.71	1 482.6	1970	1982	
4.00	0.210	0.70	10 670	42	0.805	0.67	1 492.3	1970	1985	
								1970	1985	TCPL
11.39	0.089	0.85	32 810	116	0.997	0.71	3 219.2	1971	1984	DOMEDOW TCPL MATERIAL BALANCE
13.78	0.089	0.85	32 810	116	0.997	0.71	3 236.5	1974	1984	TCPL MATERIAL BALANCE
9.20	0.310	0.60	3 160	21	0.940	0.57	679.6	1964	1985	TCPL
						0.68		1960	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
7.87	0.067	0.75	10 070	46	0.813	0.68	1 346.0	1960	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
1.32	0.270	0.80	6 840	39	0.885	0.61	877.0	1974	1983	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS 1 INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	MARKETABLE GAS 4 INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
ROYCE 084-07W6									
WABAMUN 02-084-07	578	0.75	0.10	390		390	37	14 598	440
OTHER	260			187		187		6 999	
TOTAL-ROYCE	838			577		577		21 597	
RUBEN (SA) 083-03W5									
TOTAL-RUBEN	5			3		3		117	
RUMSEY 034-21W4									
TOTAL-RUMSEY	623			407	69	338		13 274	
RUNDLE 065-16W4									
TOTAL-RUNDLE	105			64	14	50		1 852	
RUSSET (SA) 120-22W5									
TOTAL-RUSSET	52			37		37		1 482	
RYAN (SA) 096-14W5									
TOTAL-RYAN	45			26		26		1 022	
RYCROFT 077-04W6									
TOTAL-RYCROFT	885			604	184	420		16 280	
SABBATH (SA) 106-12W6									
TOTAL-SABBATH	10			6		6		247	
SADDLE HILLS 076-08W6									
PADDY B	627	0.70	0.10	395	344	51	38	1 947	1 681
OTHER	2 141			1 337	166	1 171		44 534	
TOTAL-SADDLE HILLS	2 768			1 732	510	1 222		46 481	
SAKWATAMAU 063-14W5									
TOTAL-SAKWATAMAU	598			438		438		16 797	
SALESKI 086-18W4									
GROSMONT A	1 304	0.50	0.05	619	186	433	37[a]	16 129	31 385
OTHER	364			176	42	134		5 015	
TOTAL-SALESKI	1 668			795	228	567		21 144	
SALTER 027-08W5									
RUNDLE A	3 467	0.70	0.25	1 820	3	1 817	39	71 408	1 752
TURNER VALLEY 026-08	1 020	0.85	0.25	650		650	39	25 545	1 161
TOTAL-SALTER	4 487			2 470	3	2 467		96 953	
SAMSON 044-24W4									
BELLY RIVER A	358	0.90	0.05	306	52	254	37	9 507	1 138
OTHER	784			529	230	299		11 878	
TOTAL-SAMSON	1 142			835	282	553		21 385	
SANDY 082-20W4									
TOTAL-SANDY	15			9		9		337	
SANGUDO 057-06W5									
TOTAL-SANGUDO	450			316	2	314		12 546	
SAPPHIRE (SA) 002-05W4									
TOTAL-SAPPHIRE	101			73		73		2 733	
SARAH 066-07W5									
TOTAL-SARAH	107			78		78		3 171	
SARCEE 023-04W5									
RUNDLE A	6 744	0.85	0.18	4 700	3 276	1 424	39[a]	55 963	1 304
TOTAL-SARCEE	6 744			4 700	3 276	1 424		55 963	
SAUNDERS 040-13W5									
RUNDLE B	1 607	0.40	0.10	579	95	484	39	18 842	991
TURNER VALLEY 219-040-13	796	0.60	0.10	430		430	39	16 740	200
TOTAL-SAUNDERS	2 403			1 009	95	914		35 582	
SAVANNA CREEK 014-04W5									
RUNDLE A	6 922	0.80	0.20	4 430	2 683	1 747	38	66 700	4 048
TOTAL-SAVANNA CREEK	6 922			4 430	2 683	1 747		66 700	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
15.85	0.060	0.70	22 370	85	0.900	0.68	2 128.4	1974	1983	TCPL BER
6.09	0.150	0.60	7 020	52	0.903	0.61	1 215.9	1972	1978	NUL A&S CWNGNUL PANALTA TCPL
13.80	0.125	0.30	780	9	0.981	0.58	238.0	1977	1986	KANNGAZ PANALTA
20.73	0.051	0.75	26 900	75	0.881	0.69	2 669.1	1972	1984	PANALTA TCPL TOP/BASE TVD
8.78	0.050	0.80	27 030	77	0.879	0.69	2 689.6	1972	1982	PANALTA
3.70	0.230	0.70	4 830	24	0.875	0.66	714.5	1953	1977	NUL CWNGNUL
29.54	0.080	0.80	26 300	81	0.903	0.72	3 042.5	1954	1984	CWNG CWNGNUL MATERIAL BALANCE
13.58	0.059	0.80	32 030	93	0.984	0.63	3 569.1	1976	1984	TCPL
31.92	0.062	0.80	35 580	115	1.037	0.63	3 989.8	1977	1984	TCPL
54.40	0.040	0.85	19 070	58	0.845	0.64	2 585.9	1954	1984	WCOAST MATERIAL BALANCE

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
SAWDY 069-22W4									
TOTAL-SAWDY	185			117	19	98		3 657	
SAXON (SA) 061-24W5									
TOTAL-SAXON	480			340		340		12 727	
SCANDIA 016-16W4									
TOTAL-SCANDIA	299			230	145	85		3 314	
SCOLL 033-21W4									
TOTAL-SCOLL	244			163	53	110		4 735	
SCULLY (SA) 100-20W5									
TOTAL-SCULLY	85			61		61		2 215	
SEAL 082-14W5									
TOTAL-SEAL	921			577		577		22 660	
SEDALIA 030-05W4									
BELLY RIVER A	1 300	0.50	0.05	618	529	89	38	3 398	6 424
VIKING C		0.80	0.08				39[a]		9 758
VIKING E		0.75	0.08				38		4 329
VIKING C & E TOTAL	1 562	0.75	0.10	1 050	704	346	38	13 210	
VIKING A	374	0.70	0.08	241			38		7 515
VIKING F	7	0.70	0.08	5			38		150
UPPER MANNVILLE D	54	0.83	0.05	43			38		256
LOWER MANNVILLE B	240	0.40	0.05	91			38		1 294
VIK A&F, UMN D & LMN TOTAL	675	0.60	0.05	380	340	40	38	1 527	
OTHER	1 858			986	514	472		17 859	
TOTAL-SEDALIA	5 395			3 034	2 087	947		35 994	
SEDGEWICK 042-12W4									
BASAL MANNVILLE A	526	0.85	0.05	425			38[a]		935
BASAL MANNVILLE B	66	0.70	0.10	41			38[a]		200
BASAL MANNVILLE A & B TOTAL	592	0.85	0.05	466	340	126	38[a]	4 764	
OTHER	447			310	17	293		11 088	
TOTAL-SEDGEWICK	1 039			776	357	419		15 852	
SEIU LAKE 025-18W4									
UPPER MANNVILLE A	1 491	0.85	0.10	1 140	357	783	37	29 308	5 022
OTHER	1 562			1 035	220	815		30 162	
TOTAL-SEIU LAKE	3 053			2 175	577	1 598		59 470	
SEXSMITH 074-06W6									
TOTAL-SEXSMITH	482			302	92	210		7 865	
SHADOW (SA) 074-17W5									
TOTAL-SHADOW	48			35		35		1 441	
SHANE 077-02W6									
TOTAL-SHANE	655			500	108	392		15 405	
SHANNON 026-06W4									
TOTAL-SHANNON	199			136		136		5 721	
SHAUNICY (SA) 006-03W4									
TOTAL-SHAUNICY	250			201		201		7 680	
SHAW 049-22W5									
SPRAY RIVER A	139	0.75	0.10	94			41		200
RUNDLE A	2 382	0.40	0.10	858			40		2 348
SPRAY RIV A&RUNDLE A TOTAL	2 521	0.40	0.10	952	146	806	40	32 587	
OTHER	72			48		48		1 958	
TOTAL-SHAW	2 593			1 000	146	854		34 545	
SHEKILIE 117-09W6									
SULPHUR POINT 08-119-07	425	0.85	0.15	307		307	39	12 065	64
KEG RIVER 11-118-08	948	0.80	0.25	569		569	43	24 495	64
OTHER	3 545			1 960	70	1 890		79 848	
TOTAL-SHEKILIE	4 918			2 836	70	2 766		116 408	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION - DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.26	0.342	0.70	1 370	7	0.967	0.56	194.1	1973	1985	CWNG CWNGNUL TCPL PANALTA PRODUCTION DECLINE
1.10	0.225	0.40	6 380	32	0.889	0.60	835.5	1954	1985	MATERIAL BALANCE
0.79	0.195	0.45	6 280	32	0.895	0.59	833.9	1958	1985	MATERIAL BALANCE
								1954	1985	MIP TCPL
1.64	0.226	0.30	6 570	32	0.892	0.58	748.4	1954	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
1.40	0.120	0.40	6 380	32	0.889	0.60	791.0	1957	1985	PART OF VIK POOL NO.5
2.44	0.220	0.50	7 330	31	0.875	0.59	801.6	1976	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
2.20	0.280	0.35	7 950	32	0.869	0.58	829.3	1968	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
								1954	1985	PART OF VIK POOL NO.5
3.34	0.301	0.80	6 740	35	0.890	0.64	897.3	1954	1968	
2.10	0.301	0.80	6 740	35	0.880	0.64	880.6	1958	1982	MATERIAL BALANCE
								1954	1969	TCPL
2.21	0.190	0.65	9 720	38	0.817	0.66	1 325.9	1960	1986	TCPL
2.40	0.090	0.90	32 680	99	1.000	0.61	3 920.5	1973	1986	TCPL PRODUCTION DECLINE TOP/BASE TVD
10.58	0.050	0.85	33 270	137	1.023	0.62	3 973.0	1973	1984	TCPL TOP/BASE TVD
								1973	1986	
60.13	0.098	0.85	13 710	66	0.867	0.68	1 639.5	1969	1969	
85.00	0.100	0.80	19 860	71	0.754	0.85	1 732.5	1983	1984	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
SHETLAND 106-10W6									
TOTAL-SHETLAND	50			36		36		1 442	
SHOULDICE 020-23W4									
GLAUCONITIC 02-020-23	933	0.70	0.10	588		588	38	22 232	200
OTHER	472			316		316		11 964	
TOTAL-SHOULDICE	1 405			904		904		34 196	
SIBBALD 027-02W4									
VIKING A	1 039	0.80	0.05	789	667	122	37	4 566	3 985
OTHER	1 486			1 017	235	782		29 309	
TOTAL-SIBBALD	2 525			1 806	902	904		33 875	
SILER 057-07W4									
TOTAL-SILER	172			113	3	110		4 066	
SILVER 017-28W4									
TOTAL-SILVER	241			174		174		6 382	
SIMONETTE 063-26W5									
DUNVEGAN D	657	0.75	0.05	468	36	432	37	16 114	400
GETHING A	1 308	0.75	0.10	883	189	694	40	27 538	1 579
WABAMUN A	600	0.85	0.35	332	186	146	40	5 847	128
D-3 SOLN	10 344	0.34	0.52	1 688	1 603	85	38[a]	3 245	
OTHER	2 572			1 707	146	1 561		60 981	
TOTAL-SIMONETTE	15 481			5 078	2 160	2 918		113 725	
SIMONETTE NORTH (SA) 064-25W5									
TOTAL-SIMONETTE NORTH	47			33		33		1 309	
SINCLAIR 074-12W6									
PADDY A	4 170	0.90	0.15	3 190	2 162	1 028	38	38 560	3 437
PADDY B	968	0.75	0.10	653	521	132	39	5 090	1 728
PADDY D	483	0.80	0.10	347	27	320	37	11 738	1 714
FALHER A	2 852	0.85	0.15	2 060	746	1 314	39	51 640	11 200
GETHING C	1 127	0.85	0.05	910	42	868	37	31 838	2 907
CADOMIN A	4 621	0.70	0.15	2 750	32	2 718	38	101 952	13 752
DOIG A	15 555	0.80	0.10	11 200	830	10 370	39	399 867	8 083
OTHER	5 940			4 035	618	3 417		130 708	
TOTAL-SINCLAIR	35 716			25 145	4 978	20 167		771 393	
SIPHON (SA) 086-10W6									
TOTAL-SIPHON	26			19		19		711	
SKARD 057-19W4									
TOTAL-SKARD	196			125		125		4 913	
SKINNER 052-15W5									
BLUERIDGE 21-052-15	684	0.85	0.15	494		494	37	18 490	400
OTHER	254			162		162		6 064	
TOTAL-SKINNER	938			656		656		24 554	
SLAVE 084-14W5									
TOTAL-SLAVE	202			136		136		5 147	
SMITH 071-25W4									
TOTAL-SMITH	694			434		434		15 243	
SMITH COULEE 004-11W4									
BOW ISLAND A	941	0.85	0.05	760	686	74	35	2 576	33 720
BOW ISLAND B	409	0.85	0.05	331	314	17	35	592	4 973
OTHER	102			69	10	59		2 092	
TOTAL-SMITH COULEE	1 452			1 160	1 010	150		5 260	
SMOKY (SA) 058-03W6									
TOTAL-SMOKY	189			135		135		5 053	
SMOKY HEIGHTS (SA) 074-02W6									
TOTAL-SMOKY HEIGHTS	117			78		78		3 124	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
13.50	0.250	0.89	13 640	45	0.785	0.67	1 638.4	1981	1982	KANNGAZ
2.38	0.221	0.70	6 880	31	0.890	0.58	763.5	1951	1973	TCPL CWNGNUL MATERIAL BALANCE
10.25	0.125	0.85	13 500	51	0.786	0.69	1 808.9	1983	1986	A&S
4.97	0.129	0.70	19 530	77	0.860	0.64	2 525.6	1970	1984	A&S
46.94	0.080	0.85	34 160	104	0.900	0.81	3 364.9	1959	1982	MATERIAL BALANCE
						0.82		1958	1986	
6.59	0.149	0.80	12 700	60	0.818	0.68	1 666.1	1978	1986	PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
6.40	0.116	0.75	10 270	67	0.854	0.66	1 615.3	1978	1980	PROGAS TCPL
3.47	0.118	0.60	10 910	55	0.825	0.67	1 452.3	1978	1986	PANALTA PROGAS TCPL
3.14	0.078	0.65	14 150	65	0.829	0.67	1 825.8	1977	1986	PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
4.49	0.102	0.65	13 710	73	0.865	0.64	1 792.5	1977	1981	PANALTA PROGAS TCPL
6.18	0.050	0.60	18 810	88	0.903	0.62	2 313.7	1956	1985	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
11.73	0.093	0.85	26 120	101	0.957	0.62	2 505.3	1977	1986	PANALTA PROGAS TCPL CWNGNUL
25.05	0.040	0.65	30 310	80	0.930	0.70	3 001.6	1978	1986	TCPL BER
0.92	0.207	0.70	4 340	19	0.919	0.59	625.8	1947	1984	CMG MATERIAL BALANCE
0.90	0.240	0.60	4 360	24	0.923	0.58	648.6	1967	1985	CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
SNAKE (SA) 017-24W4									
TOTAL-SNAKE	37			24		24		898	
SNEDDON 080-10W6									
TOTAL-SNEDDON	394			278		278		10 436	
SNIPE LAKE 071-18W5									
TOTAL-SNIPE LAKE	1 835			294	232	62		2 599	
SNOWFALL (SA) 099-08W6									
TOTAL-SNOWFALL	13			8		8		299	
SOARS 059-02W4									
TOTAL-SOARS	177			111		111		4 154	
SORENSON 032-12W4									
TOTAL-SORENSON	174			126		126		4 936	
SOUNDING 030-09W4									
TOTAL-SOUNDING	1 081			722	323	399		15 036	
SOUSA 112-05W6									
BLUESKY A	1 856	0.50	0.05	882			37		22 387
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	9	0.65	0.05	6			37		200
BLUESKY A	6	0.65	0.05	4			37		200
BLUESKY A	26	0.65	0.05	16			37		200
BLUESKY A	10	0.65	0.05	7			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	8	0.65	0.05	5			39		200
BLUESKY A TOTAL	1 930	0.50	0.05	929	44	885	37	33 126	
OTHER	331			219		219		8 854	
TOTAL-SOUSA	2 261			1 148	44	1 104		41 980	
SPENCER 066-08W4									
TOTAL-SPENCER	45			26		26		963	
SPIERS 034-15W4									
TOTAL-SPIERS	1 046			686	186	500		18 944	
SPIRIT RIVER 078-07W6									
TOTAL-SPIRIT RIVER	1 369			957	2	955		35 883	
SPRUCE GROVE 059-27W4									
TOTAL-SPRUCE GROVE	107			74		74		2 743	
SPUR 072-02W5									
WABISKAW A	482	0.80	0.05	367	62	305	40	12 215	2 993
OTHER	212			140		140		5 492	
TOTAL-SPUR	694			507	62	445		17 707	
SPUTINA (SA) 096-24W4									
TOTAL-SPUTINA	45			24		24		889	
ST ALBERT-BIG LAKE 053-26W4									
OSTRACOD A	3 393	0.85	0.05	2 740	2 597	143	40[a]	5 727	3 215
ST ALBERT BSL QTZ B	591	0.85	0.05	477		477	40	19 104	429
OTHER	615			328	13	315		12 616	
TOTAL-ST ALBERT-BIG LAKE	4 599			3 545	2 610	935		37 447	
ST ANNE 054-04W5									
TOTAL-ST ANNE	658			430	34	396		15 549	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.56	0.210	0.40	2 690	19	0.945	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.00	0.210	0.40	2 690	19	0.945	0.59	244.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-6-112-1 W6M
2.00	0.210	0.40	2 690	19	0.945	0.59	232.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-112-1W6M
1.30	0.210	0.40	2 690	19	0.945	0.59	238.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-4-112-2 W6M
5.50	0.210	0.40	2 690	19	0.945	0.59	235.3	1972	1983	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-112-2 W6M
2.10	0.210	0.40	2 690	13	0.945	0.59	222.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-112-2 W6M
0.70	0.293	0.40	2 690	19	0.945	0.59	262.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-112-4 W6M
1.00	0.210	0.40	2 690	19	0.945	0.59	237.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-11-112-4 W6M
0.93	0.270	0.60	2 690	16	0.945	0.60	229.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-1-113-1 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1
2.08	0.273	0.80	3 530	29	0.938	0.57	578.0	1979	1986	TCPL
2.77	0.207	0.70	9 380	48	0.846	0.59	1 130.2	1953	1982	NORCEN PRODUCTION DECLINE
10.06	0.200	0.70	9 410	49	0.850	0.65	1 158.2	1952	1964	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
ST PAUL 058-09W4									
UPPER MANNVILLE A	1 104	0.80	0.05	839	206	633	37	23 693	1 487
OTHER	819			573	40	533		19 950	
TOTAL-ST PAUL	1 923			1 412	246	1 166		43 643	
STANDARD 026-22W4									
VIKING A	760	0.90	0.05	650	95	555	37	20 774	1 703
OTHER	12			9		9		337	
TOTAL-STANDARD	772			659	95	564		21 111	
STANMORE 029-11W4									
VIKING A & B	1 654	0.70	0.05	1 100			37		7 574
VIKING A & B TOTAL	1 654	0.70	0.05	1 100	950	150	37	5 615	
UPPER MANNVILLE Z	941	0.85	0.05	760	597	163	39	6 406	2 753
UPPER MANNVILLE CC	431	0.90	0.10	349	15	334	39	13 126	200
UPPER MANNVILLE A ASSOC	566	0.85	0.05	457			39		1 235
UPPER MANNVILLE C	16	0.85	0.05	13			39		200
UPPER MANNVILLE A & C TOTAL	582	0.85	0.05	470	58	412	39	16 192	
OTHER	4 470			3 143	1 108	2 035		78 729	
TOTAL-STANMORE	8 078			5 822	2 728	3 094		120 068	
STEELE 066-25W4									
TOTAL-STEELE	2 501			1 594	719	875		32 634	
STEEN 108-01W6									
BLUESKY A	107	0.50	0.05	51			37		2 603
BLUESKY A	7	0.65	0.05	5			37		200
BLUESKY A	21	0.65	0.05	13			37		200
BLUESKY A	20	0.65	0.05	12			37		200
BLUESKY A	16	0.55	0.05	9			37		200
BLUESKY A	50	0.65	0.05	31			37		200
BLUESKY A	49	0.65	0.05	30			37		200
BLUESKY A	42	0.65	0.05	26			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	13	0.55	0.05	7			37		200
BLUESKY A	16	0.55	0.05	9			37		200
BLUESKY A	36	0.65	0.05	22			37		200
BLUESKY A	12	0.55	0.05	7			37		200
BLUESKY A	8	0.55	0.05	4			37		200
BLUESKY A	9	0.55	0.05	5			37		200
BLUESKY A	4	0.55	0.05	2			37		200
BLUESKY A	26	0.65	0.05	16			47		200
BLUESKY A	9	0.55	0.05	5			37		200
BLUESKY A	5	0.55	0.05	3			37		200
BLUESKY A	248	0.50	0.05	118			37		5 054
BLUESKY A TOTAL	703	0.55	0.05	378		378	37	14 149	
OTHER	26			17		17		663	
TOTAL-STEEN	729			395		395		14 812	
STEEP BANK (SA) 094-07W4									
TOTAL-STEEP BANK	69			33		33		1 235	
STEEP CREEK 066-07W6									
FALHER E-1	540	0.85	0.05	436	247	189	38	7 216	440
FALHER E-2	508	0.85	0.05	410	196	214	38	8 171	200
CADOMIN 10-066-07	505	0.85	0.05	408		408	38	15 577	200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.10	0.300	0.60	3 280	16	0.930	0.58	479.3	1949	1985	LOC U PANALTA PWGE MATERIAL BALANCE
2.56	0.200	0.70	8 890	30	0.823	0.63	1 282.0	1956	1973	TCPL
3.52	0.267	0.60	7 310	33	0.870	0.61	874.5	1961	1982	MATERIAL BALANCE
								1961	1982	PROGAS SLPETRO TCPL
1.76	0.205	0.55	9 450	38	0.825	0.79	1 043.5	1970	1983	TCPL PRODUCTION DECLINE
10.00	0.260	0.85	8 850	35	0.838	0.63	1 061.1	1982	1986	
3.37	0.200	0.60	9 960	34	0.814	0.64	1 020.4	1970	1982	
1.00	0.200	0.40	8 870	33	0.815	0.64	1 020.5	1971	1982	
								1970	1982	TCPL OIL POOL DEPLETED
1.91	0.210	0.40	2 480	19	0.945	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.210	0.40	2 480	16	0.945	0.59	232.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-8-107-21 W5M
6.10	0.170	0.40	2 480	16	0.945	0.59	229.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-20-107-21 W5M
4.57	0.210	0.40	2 480	16	0.945	0.59	241.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-107-22 W5M
3.81	0.200	0.40	2 480	16	0.945	0.59	255.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-107-23 W5M
11.19	0.217	0.40	2 480	18	0.945	0.59	292.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-21-107-24 W5M
10.67	0.210	0.40	2 660	19	0.945	0.59	345.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-107-1 W6M
9.75	0.210	0.40	2 480	18	0.945	0.59	308.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-13-107-1 W6M
1.22	0.210	0.40	2 480	15	0.945	0.59	222.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-108-21 W5M
3.05	0.210	0.40	2 480	18	0.945	0.59	298.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-32-108-24 W5M
3.66	0.210	0.40	2 480	17	0.945	0.59	285.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-108-24 W5M
8.23	0.210	0.40	2 480	17	0.945	0.59	292.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-12-108-1 W6M
2.70	0.210	0.40	2 480	16	0.945	0.59	273.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-109-23 W5M
1.80	0.210	0.40	2 480	17	0.945	0.59	282.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-20-109-23 W5M
2.10	0.210	0.40	2 480	17	0.945	0.59	313.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-32-109-24 W5M
0.90	0.180	0.50	2 480	17	0.945	0.59	309.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-34-109-24 W5M
4.30	0.240	0.50	2 480	18	0.945	0.59	316.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-23-109-1 W6M
1.52	0.240	0.50	2 480	17	0.945	0.59	301.6	1972	1982	PART OF BLSKY POOL NO.1
1.20	0.210	0.40	2 480	17	0.945	4.00	297.8	1972	1982	BER PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-22-110-24 W5M
1.87	0.200	0.50	2 480	11	0.945	0.59	209.8	1972	1985	PART OF BLSKY POOL NO.1
						0.59		1972	1982	TCPL PART OF BLSKY POOL NO.1
6.40	0.095	0.75	31 300	72	0.958	0.60	2 408.8	1981	1986	PANALTA PROGAS TCPL PRODUCTION DECLINE
3.50	0.100	0.70	22 500	64	0.853	0.63	2 347.4	1981	1986	PANALTA PROGAS TCPL PRODUCTION DECLINE
15.85	0.130	0.70	22 400	111	0.947	0.70	2 822.5	1978	1983	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
STEEP CREEK 066-07W6 (CONTINUED)									
BELLOY 26-066-07	578	0.75	0.05	412		412	37	15 421	440
OTHER	1 141			810		810		31 147	
TOTAL-STEEP CREEK	3 272			2 476	443	2 033		77 532	
STETTLER 038-20W4									
TOTAL-STETTLER	1 288			384	227	157		6 066	
STETTLER NORTH 039-20W4									
LOWER MANNVILLE B	716	0.75	0.10	483	216	267	41	10 894	622
OTHER	277			140	14	126		5 125	
TOTAL-STETTLER NORTH	993			623	230	393		16 019	
STETTLER SOUTH 037-20W4									
TOTAL-STETTLER SOUTH	375			170	44	126		4 750	
STEVE 059-07W4									
TOTAL-STEVE	424			269	130	139		5 197	
STEWART 032-28W4									
TOTAL-STEWART	197			126		126		4 716	
STIMSON (SA) 015-02W5									
TOTAL-STIMSON	58			28		28		1 100	
STIRLING 007-19W4									
BOW ISLAND A	536	0.85	0.05	433	351	82	34[a]	2 824	5 584
OTHER	19			10		10		344	
TOTAL-STIRLING	555			443	351	92		3 168	
STOLBERG 042-15W5									
RUNDLE A	2 710	0.50	0.10	1 220			39		1 025
RUNDLE B	4 022	0.50	0.10	1 810			39		2 661
RUNDLE C	553	0.50	0.10	249			39		440
RUNDLE D	1 564	0.50	0.10	704			39		1 794
RUNDLE A,B,C & D TOTAL	8 849	0.50	0.10	3 983	820	3 163	39	123 136	
RUNDLE E	1 033	0.45	0.10	419			39		440
RUNDLE F	805	0.45	0.10	326			39		335
RUNDLE G	563	0.50	0.10	254			39		440
RUNDLE E, F & G TOTAL	2 401	0.45	0.10	999	366	633	39	24 643	
OTHER	227			153		153		5 956	
TOTAL-STOLBERG	11 477			5 135	1 186	3 949		153 735	
STONY PLAIN (SA) 053-01W5									
TOTAL-STONY PLAIN	100			67		67		2 683	
STOWE (SA) 091-01W6									
TOTAL-STOWE	15			10		10		374	
STRACHAN 037-09W5									
GLAUCONITIC B	1 063	0.80	0.10	765	275	490	38	18 708	2 041
GLAUCONITIC D	610	0.80	0.05	464	126	338	38	12 905	1 056
D-3 A	40 741	0.90	0.25	27 500	22 132	5 368	41	219 014	1 973
D-3 B	1 099	0.80	0.20	703	306	397	41	16 198	645
D-3 C	2 065	0.80	0.20	1 322	845	477	38	18 035	687
OTHER	3 494			2 387	259	2 128		80 544	
TOTAL-STRACHAN	49 072			33 141	23 943	9 198		365 404	
STRATHMORE 024-25W4									
BELLY RIVER A	1 163	0.80	0.05	884	525	359	37[a]	13 305	2 211
BELLY RIVER E	865	0.50	0.05	411	203	208	37[a]	7 708	440
BELLY RIVER J	750	0.50	0.05	356	138	218	37	8 079	200
OTHER	3 706			1 978	929	1 049		39 388	
TOTAL-STRATHMORE	6 484			3 629	1 795	1 834		68 480	
STROME 044-16W4									
MANNVILLE G	798	0.75	0.05	569	29	540	39	20 822	1 148
OTHER	3 453			2 245	337	1 908		72 953	
TOTAL-STROME	4 251			2 814	366	2 448		93 775	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.70	0.120	0.75	29 800	125	0.978	0.66	3 191.2	1956	1982	PANALTA TCPL PROGAS
3.57	0.209	0.75	9 600	54	0.867	0.66	1 341.0	1962	1985	LOC U PWGE TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
2.62	0.204	0.65	3 360	27	0.940	0.57	781.5	1957	1986	CWNG CWNGNUL PRODUCTION DECLINE
24.06	0.050	0.85	31 830	107	0.998	0.65	3 252.0	1957	1984	
15.90	0.047	0.85	32 470	112	1.008	0.64	3 802.0	1957	1984	
13.10	0.047	0.85	33 290	117	1.010	0.65	4 115.6	1957	1984	TOP/BASE TVD
8.94	0.048	0.85	33 400	117	1.019	0.65	3 961.5	1974	1984	TOP/BASE TVD
								1957	1984	PANALTA TCPL
21.30	0.052	0.85	31 770	91	0.995	0.64	3 386.0	1976	1984	
19.27	0.058	0.85	32 310	94	0.990	0.63	3 769.0	1976	1984	
12.60	0.050	0.85	33 400	117	1.019	0.65	3 982.5	1974	1984	
								1976	1984	TCPL PANALTA
4.18	0.071	0.70	32 110	99	0.979	0.65	3 000.2	1981	1985	CNG PROGAS TCPL
3.63	0.091	0.70	31 920	98	0.980	0.64	2 949.5	1972	1984	CNG TCPL
115.81	0.077	0.90	49 300	124	1.153	0.76	4 110.2	1967	1986	CNG TCPL MATERIAL BALANCE TOP/BASE TVD
51.51	0.031	0.80	49 190	124	1.120	0.74	4 098.0	1969	1974	CNG PRODUCTION DECLINE TOP/BASE TVD
29.08	0.050	0.85	31 410	116	0.944	0.70	3 712.2	1972	1975	TCPL
3.53	0.228	0.60	3 190	36	0.945	0.60	895.7	1962	1984	CWNG CWNGNUL PRODUCTION DECLINE
8.63	0.230	0.70	3 150	30	0.943	0.57	894.6	1976	1985	CWNG CWNGNUL MATERIAL BALANCE
16.00	0.210	0.70	3 070	25	0.944	0.58	829.1	1975	1981	CWNGNUL PRODUCTION DECLINE
5.83	0.235	0.70	7 170	44	0.887	0.63	1 043.0	1980	1986	A&S TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
STRY 058-13W4									
VIKING A	483	0.80	0.05	367	5	362	37	13 278	9 112
UPPER MANNVILLE A	1 085	0.70	0.05	722	210	512	37	19 164	4 466
OTHER	1 741			1 224	318	906		33 850	
TOTAL-STRY	3 309			2 313	533	1 780		66 292	
STURGEON LAKE 071-23W5									
TOTAL-STURGEON LAKE	1 915			539	61	478		18 296	
STURGEON LAKE SOUTH 069-22W5									
GETHING C	216	0.75	0.10	146			37		200
GETHING D	290	0.85	0.10	222			37		200
GETHING C & D TOTAL	506	0.80	0.10	368	17	351	37	13 138	
D-3 SOLN	8 290	0.55	0.45	2 508	1 989	519	40	20 983	
OTHER	2 304			1 257	126	1 131		44 224	
TOTAL-STURGEON LAKE SOUTH	11 100			4 133	2 132	2 001		78 345	
SUFFIELD 018-06W4									
MILK RIVER A	31 113	0.70	0.05	20 690			36[a]		246 312
MEDICINE HAT A	16 494	0.70	0.03	11 200			36[a]		224 176
MEDICINE HAT C	1 740	0.50	0.03	844			36[a]		56 508
MEDICINE HAT D	2 062	0.50	0.03	1 000			36[a]		46 906
SECOND WHITE SPECKS A	15 860	0.75	0.05	11 300			36		152 210
SE ALTA GAS SYS(MU) TOTAL	67 269	0.70	0.05	45 034	14 157	30 877	36[a]	1 121 144	
BOW ISLAND N	668	0.80	0.05	507	270	237	36	8 605	2 221
BOW ISLAND C	409	0.80	0.05	311	5	306	36	11 111	1 838
UPPER MANNVILLE A ASSOC	859	0.85	0.05	694			41		1 267
UPPER MANNVILLE A ASSOC	40	0.75	0.05	29			41		200
UPPER MANNVILLE A TOTAL	899	0.85	0.05	723	165	558	41	22 978	
UPPER MANNVILLE I	1 187	0.65	0.05	733	623	110	41	4 530	400
OTHER	3 670			2 616	563	2 053		79 285	
TOTAL-SUFFIELD	74 102			49 924	15 783	34 141		1 247 653	
SUGDEN 062-10W4									
VIKING A	6 769	0.65	0.05	4 180	11	4 169	37	152 919	98 687
COLONY D	627	0.75	0.05	447	197	250	37	9 358	3 014
COLONY S	619	0.60	0.05	352	84	268	37	10 031	1 813
GRAND RAPIDS A	485	0.80	0.05	369			37		4 880
GRAND RAPIDS O	47	0.65	0.05	29			37		200
GRAND RAPIDS A & O TOTAL	532	0.80	0.05	398	61	337	37	12 614	
MCMURRAY C	640	0.65	0.05	395	211	184	37	6 887	800
OTHER	5 826			3 693	1 126	2 567		96 055	
TOTAL-SUGDEN	15 013			9 465	1 690	7 775		287 864	
SULLIVAN LAKE 035-13W4									
BELLY RIVER A	631	0.75	0.05	449			38		2 388
BELLY RIVER B	48	0.70	0.05	32			38		553
BELLY RIVER A & B TOTAL	679	0.75	0.05	481	331	150	38	5 727	
VIKING A	284	0.70	0.05	189			39		3 963
VIKING B	199	0.70	0.05	132			39		2 268
VIKING C	39	0.70	0.05	26			39		1 305
VIKING F	45	0.70	0.05	30			39		1 727
VIKING A, B, C & F TOTAL	567	0.70	0.05	377	153	224	39	8 720	
OTHER	932			626	117	509		19 977	
TOTAL-SULLIVAN LAKE	2 178			1 484	601	883		34 424	
SUNBURST (SA) 001-18W4									
TOTAL-SUNBURST	8			4		4		153	
SUNCHILD 043-11W5									
ELKTON-SHUNDA A	209	0.75	0.10	141			41		1 259
ELKTON-SHUNDA A	1 386	0.85	0.10	1 060			41		3 000
ELKTON-SHUNDA A	553	0.85	0.10	423			41		1 378
ELKTON-SHUNDA A TOTAL	2 148	0.85	0.10	1 624	182	1 442	41	58 834	
TOTAL-SUNCHILD	2 148			1 624	182	1 442		58 834	
SUNDANCE 054-21W5									
VIKING A	2 760	0.90	0.05	2 360	982	1 378	43	58 799	1 522
OTHER	418			289	33	256		9 708	
TOTAL-SUNDANCE	3 178			2 649	1 015	1 634		68 507	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.96	0.250	0.50	4 190	18	0.927	0.59	480.1	1949	1980	MIP PANALTA TCPL PART OF VIK POOL NO.6
2.94	0.327	0.60	4 050	24	0.921	0.57	615.9	1970	1986	MIP TCPL
4.94	0.200	0.80	13 100	52	0.840	0.60	1 435.8	1964	1982	
6.79	0.200	0.80	13 100	55	0.850	0.60	1 455.1	1964	1982	
								1964	1982	TCPL
						0.77		1953	1976	A&S
4.99	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
1.70	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1982	
0.77	0.139	0.60	4 450	17	0.910	0.57	487.7	1973	1986	
1.12	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1982	
1.34	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1986	LOC U CWNGNUL PANALTA TCPL
								1904	1986	CWNGNUL PANALTA TCPL
2.33	0.263	0.60	7 550	27	0.875	0.60	817.6	1970	1983	PANALTA TCPL
1.84	0.234	0.70	6 890	27	0.885	0.63	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
3.57	0.240	0.70	10 240	30	0.850	0.58	940.9	1976	1984	
1.22	0.240	0.60	10 180	31	0.845	0.62	927.8	1976	1984	ASSIGNED WELL 04-02-020-07 W4M
								1976	1984	PANALTA CONCURRENT PRODUCTION
7.20	0.220	0.75	10 520	33	0.846	0.60	985.4	1974	1985	PANALTA MATERIAL BALANCE
1.46	0.270	0.55	3 040	18	0.939	0.57	319.0	1949	1984	CWNGNUL KANNGAZ MIP PANALTA PWGE PROGAS TCPL PART OF VIK POOL NO.6
3.44	0.300	0.75	2 550	13	0.943	0.57	315.7	1973	1982	MIP PANALTA
5.07	0.296	0.75	2 930	19	0.941	0.57	378.3	1978	1985	PANALTA KANNGAZ
2.12	0.300	0.60	2 540	19	0.949	0.58	339.5	1971	1985	
3.96	0.300	0.75	2 590	18	0.952	0.57	320.5	1977	1983	
								1971	1983	PANALTA PROGAS TCPL MIP
2.09	0.300	0.70	3 340	23	0.935	0.57	450.1	1974	1986	MIP PANALTA PROGAS PRODUCTION DECLINE
4.36	0.338	0.55	3 100	16	0.936	0.56	437.5	1957	1986	
1.99	0.270	0.50	3 050	16	0.937	0.56	420.4	1976	1979	
								1957	1986	TCPL
0.89	0.232	0.55	6 000	30	0.893	0.59	955.1	1967	1985	
1.02	0.224	0.60	6 100	33	0.886	0.62	965.2	1967	1985	
0.51	0.188	0.50	5 990	33	0.888	0.61	960.3	1967	1985	
0.47	0.173	0.50	6 070	31	0.883	0.62	963.4	1967	1985	
								1967	1985	TCPL
1.07	0.090	0.85	26 100	113	0.947	0.68	2 922.1	1969	1977	
2.90	0.090	0.85	26 100	109	0.933	0.64	2 936.3	1969	1980	
1.95	0.120	0.85	26 100	113	0.953	0.65	2 922.4	1969	1977	
								1969	1980	PROGAS TCPL
4.75	0.121	0.80	30 430	96	0.956	0.67	2 747.4	1971	1986	PANALTA MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
SUNDRE 034-05W5									
RUNDLE A SOLN	2 200	0.40	0.50	440	437	3	40[a]	119	
OTHER	1 740			814	61	753		30 446	
TOTAL-SUNDRE	3 940			1 254	498	756		30 565	
SUNNYNDOK 026-11W4									
TOTAL-SUNNYNDOK	1 119			795	178	617		23 539	
SUNSET 069-19W5									
TOTAL-SUNSET	187			133		133		5 078	
SUPERBA 026-03W4									
TOTAL-SUPERBA	461			313	35	278		11 298	
SURRETTE (SA) 097-16W5									
TOTAL-SURRETTE	525			312		312		11 979	
SUTTON 091-03W6									
GETHING 092-03	681	0.80	0.05	518		518	39	20 357	2 162
OTHER	303			183		183		7 192	
TOTAL-SUTTON	984			701		701		27 549	
SWALWELL 029-24W4									
VIKING A	912	0.80	0.10	657	612	45	37	1 684	4 644
PEKISKO A SOLN	120	0.60	0.10	65[b]			41		
PEKISKO A ASSOC	535	0.90	0.10	434[b]	269[b]	230	41	9 471	1 680
OTHER	1 848			1 032	178	854		34 376	
TOTAL-SWALWELL	3 415			2 188	1 059	1 129		45 531	
SWAN HILLS 068-10W5									
BEAVERHILL LAKE C SOLN	7 601	0.35	0.60	1 064	351	713	45[a]	32 028	
BEAVERHILL LAKE A&B ASSOC		0.75	0.35				45[a]		
BEAVERHILL LAKE A&B SOLN	29 000	0.37	0.35	6 975			45[a]		
BEAVERHILL LAKE A&B TOTAL	29 000	0.35	0.35	6 975	5 949	1 026	45[a]	46 088	
OTHER	140			97		97		3 745	
TOTAL-SWAN HILLS	36 741			8 136	6 300	1 836		81 861	
SWAN HILLS SOUTH 065-10W5									
BEAVERHILL LAKE A&B ASSOC		0.65	0.25				42[a]		
BEAVERHILL LAKE A&B SOLN	16 272	0.65	0.35	6 875[b]			42[a]		
BEAVERHILL LAKE A&B TOTAL	16 272	0.65	0.35	6 875[b]	4 530[b]	2 345	42[a]	98 302	
OTHER	51			34		34		1 273	
TOTAL-SWAN HILLS SOUTH	16 323			6 909	4 530	2 379		99 575	
SWEETGRASS 001-15W4									
TOTAL-SWEETGRASS	63			45	15	30		1 248	
SWIMMING 052-06W4									
TOTAL-SWIMMING	811			568	15	553		20 964	
SYLVAN LAKE 037-03W5									
GLAUC A & SHUNDA A		0.85	0.10				41[a]		3 731
LOWER MANNVILLE O		0.85	0.10				41[a]		200
GLAUC A,SHUN A&L MN O TOTAL	8 000	0.85	0.10	6 120	4 844	1 276	41[a]	52 546	
LOWER MANNVILLE A	1 474	0.85	0.09	1 140	806	334	41[a]	13 754	1 144
LOWER MANNVILLE C	1 333	0.90	0.10	1 090	859	231	41[a]	9 513	915
LOWER MANNVILLE D	367	0.90	0.06	310	135	175	41[a]	7 207	354
LOWER MANNVILLE H	850	0.85	0.10	651	221	430	41[a]	17 707	581
OSTRACOD 24-037-05	423	0.85	0.10	324		324	42	13 582	440
OSTRACOD K	1 302	0.80	0.15	886	108	778	43	33 493	4 388
OSTRACOD B	921	0.90	0.12	730			41[a]		1 067
BASAL QUARTZ A SOLN	577	0.75	0.40	260			37[a]		
OSTRACOD B&BSL QTZ A TOTAL	1 498	0.85	0.20	990	339	651	37	24 367	
JURASSIC A ASSOC	764	0.90	0.15	585		585	38[a]	22 335	838
JURASSIC L	635	0.60	0.15	324	45	279	38[a]	10 652	659
ELKTON-SHUNDA A	1 465	0.90	0.10	1 190	1 145	45	41[a]	1 853	1 416
ELKTON-SHUNDA B	1 150	0.85	0.10	880	741	139	41[a]	5 724	829
SHUNDA B	687	0.90	0.15	525		525	41[a]	21 620	852
PEKISKO B SOLN	731	0.60	0.20	351	284	67	41[a]	2 759	
PEKISKO B ASSOC	510	0.90	0.15	390		390	41[a]	16 060	512
PEKISKO I	465	0.80	0.15	316	67	249	37[a]	9 320	416
PEKISKO N	1 350	0.85	0.05	1 091	786	305	41[a]	12 560	690
D-3 A SOLN	424	0.65	0.45	152[b]			38[a]		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.72		1955	1986	A&S TCPL
5.73	0.213	0.45	5 640	35	0.908	0.57	772.6	1972	1982	PANALTA
1.94	0.154	0.55	8 070	39	0.843	0.65	1 400.9	1963	1984	A&S TCPL PRODUCTION DECLINE
						0.66		1963	1986	A&S TCPL CONCURRENT PRODUCTION
6.02	0.068	0.70	10 940	59	0.843	0.66	1 632.4	1963	1986	A&S TCPL CONCURRENT PRODUCTION
						0.82		1959	1986	CWNGNUL PANALTA
								1957	1986	
								1957	1986	
								1957	1986	CWNGNUL
								1959	1984	DRY GAS BREAKTHROUGH
								1959	1984	DRY GAS BREAKTHROUGH
								1959	1984	CWNGNUL DRY GAS BREAKTHROUGH
9.36	0.132	0.70	16 780	70	0.804	0.72	2 119.0	1953	1985	MATERIAL BALANCE
3.66	0.120	0.75	8 550	64	0.839	0.72	2 119.3	1976	1985	MATERIAL BALANCE
								1953	1985	A&S TCPL
5.39	0.129	0.70	16 900	66	0.812	0.70	2 179.9	1955	1985	A&S TCPL PRODUCTION DECLINE
3.90	0.133	0.70	16 920	66	0.800	0.71	2 190.3	1953	1983	A&S TCPL PRODUCTION DECLINE
4.24	0.129	0.70	16 620	63	0.748	0.67	2 119.2	1960	1981	A&S TCPL MATERIAL BALANCE
7.08	0.130	0.90	16 830	64	0.804	0.69	2 113.0	1973	1979	A&S TCPL
4.40	0.143	0.80	18 690	65	0.823	0.67	2 386.3	1980	1983	A&S PROGAS TCPL
1.69	0.123	0.75	18 300	70	0.797	0.74	2 350.8	1969	1986	PROGAS TCPL
4.16	0.147	0.70	20 340	71	0.834	0.68	2 379.3	1963	1986	
								1964	1986	
								1963	1986	TCPL
5.39	0.140	0.70	17 230	71	0.825	0.69	2 259.5	1962	1986	A&S TCPL
5.21	0.150	0.70	16 790	66	0.800	0.72	2 188.3	1960	1985	A&S TCPL PROGAS
5.97	0.071	0.75	16 720	66	0.804	0.70	2 167.7	1955	1982	A&S TCPL MATERIAL BALANCE
12.58	0.134	0.75	17 030	71	0.801	0.73	2 146.1	1973	1982	A&S MATERIAL BALANCE
6.43	0.095	0.75	16 890	66	0.805	0.70	2 189.7	1953	1975	A&S TCPL
						0.71		1953	1976	A&S TCPL
5.47	0.138	0.75	16 960	66	0.809	0.71	2 801.0	1953	1976	A&S TCPL
8.73	0.097	0.75	17 790	69	0.840	0.69	2 290.1	1963	1986	A&S TCPL
12.30	0.090	0.80	17 070	71	0.813	0.70	2 196.1	1973	1982	A&S MATERIAL BALANCE
						0.70		1961	1979	A&S TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
SYLVAN LAKE 037-03W5 (CONTINUED)									
D-3 A ASSOC	1 140	0.90	0.11	913[b]	296[b]	769	38[a]	29 360	728
OTHER	11 955			7 437	1 285	6 152		247 679	
TOTAL-SYLVAN LAKE	36 523			25 665	11 961	13 704		552 091	
TABER 009-17W4									
TOTAL-TABER	972			621	41	580		22 079	
TABER NORTH 007-17W4									
TOTAL-TABER NORTH	219			116	11	105		3 931	
TABER SOUTH 007-16W4									
BOW ISLAND A	875	0.90	0.05	749	205	544	37	20 362	8 774
OTHER	232			170	89	81		3 057	
TOTAL-TABER SOUTH	1 107			919	294	625		23 419	
TANGENT 080-24W5									
TOTAL-TANGENT	3 156			2 052	286	1 766		66 740	
TAR (SA) 099-13W4									
TOTAL-TAR	53			33		33		1 235	
TARA (SA) 076-20W4									
TOTAL-TARA	10			6		6		222	
TATE (SA) 120-03W6									
TOTAL-TATE	75			48		48		1 977	
TAWATINAW 062-22W4									
TOTAL-TAWATINAW	142			55	23	32		1 198	
TEEPEE 073-03W6									
DOIG A	894	0.70	0.10	563	16	547	39	21 092	1 568
KISKATINAW 02-074-04	411	0.85	0.10	316		316	37	11 828	440
WABAMUN C	2 464	0.85	0.15	1 780	294	1 486	37	55 621	1 275
OTHER	706			510	132	378		14 429	
TOTAL-TEEPEE	4 475			3 169	442	2 727		102 970	
TELFORDVILLE (SA) 050-02W5									
TOTAL-TELFORDVILLE	349			238		238		9 814	
TEMPLETON 001-12W4									
TOTAL-TEMPLETON	316			211		211		7 773	
THERIEN 060-09W4									
UPPER MANNVILLE F	657	0.75	0.05	469	27	442	37	16 544	2 101
OTHER	2 364			1 479	216	1 263		47 065	
TOTAL-THERIEN	3 021			1 948	243	1 705		63 609	
THIRD (SA) 021-27W4									
TOTAL-THIRD	245			166		166		6 524	
THORHILD 059-21W4									
SECOND WHITE SPECKS A	468	0.85	0.05	378	170	208	36	7 552	10 331
OTHER	1 376			867	251	616		23 162	
TOTAL-THORHILD	1 844			1 245	421	824		30 714	
THORNBURY 078-13W4									
MCMURRAY I	956	0.75	0.05	682	199	483	37	18 079	1 200
OTHER	1 469			855	162	693		25 936	
TOTAL-THORNBURY	2 425			1 537	361	1 176		44 015	
THORSBY 049-01W5									
GLAUCONITIC B SOLN	462	0.65	0.35	195[b]			40		
GLAUCONITIC B ASSOC	368	0.75	0.10	248[b]	82[b]	361	40	14 324	474
GLAUCONITIC 16-049-01	547	0.80	0.10	394		394	40	15 634	150
GLAUCONITIC 09-049-01	443	0.85	0.10	339		339	40	13 452	200
OTHER	2 324			1 525	72	1 453		57 652	
TOTAL-THORSBY	4 144			2 701	154	2 547		101 062	
THREE HILLS CREEK 035-25W4									
PEKISKO ASSOC	5 434	0.70	0.08	3 500	1 939	1 561	42[a]	66 030	13 344

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
12.59	0.072	0.85	23 920	99	0.900	0.70	2 865.4	1961	1979	A&S TCPL CONCURRENT PRODUCTION
1.98	0.210	0.65	3 610	24	0.937	0.59	702.4	1958	1983	CWNGNUL KANNGAZ
3.23	0.129	0.80	14 920	44	0.783	0.66	1 564.7	1972	1982	TCPL
2.78	0.250	0.70	18 320	50	0.840	0.65	1 926.0	1973	1973	TCPL
16.50	0.060	0.80	29 300	85	0.954	0.66	2 762.8	1972	1985	TCPL
5.23	0.306	0.65	2 690	21	0.948	0.56	363.2	1976	1983	MIP PANALTA PROGAS TCPL CWNGNUL
1.08	0.203	0.50	3 860	16	0.920	0.56	481.1	1964	1986	TCPL PANALTA
11.93	0.316	0.55	1 940	20	0.958	0.56	464.3	1984	1985	
						0.69		1973	1984	CWNGNUL SLPETRO CONCURRENT PRODUCTION
6.57	0.125	0.70	11 880	45	0.787	0.69	1 443.0	1973	1984	CWNGNUL SLPETRO CONCURRENT PRODUCTION
24.00	0.140	0.75	12 580	45	0.777	0.69	1 462.5	1985	1985	
16.19	0.123	0.75	12 700	45	0.765	0.70	1 467.3	1982	1983	
9.75	0.054	0.65	11 840	70	0.826	0.73	1 757.5	1953	1984	PANALTA PROGAS TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
THREE HILLS CREEK 035-25W4 (CONTINUED)									
OTHER	763			475	52	423		15 742	
TOTAL-THREE HILLS CREEK	6 197			3 975	1 991	1 984		81 772	
THUNDER 060-06W5									
TOTAL-THUNDER	166			114		114		4 636	
TIELAND 067-04W5									
TOTAL-TIELAND	47			31		31		1 149	
TIMBERWOLF 107-12W6									
TOTAL-TIMBERWOLF	28			20		20		779	
TIMEU 063-03W5									
TOTAL-TIMEU	189			128		128		5 047	
TINDASTOLL 036-01W5									
PEKISKO 22-036-01	451	0.75	0.10	304		304	41	12 519	440
OTHER	200			128		128		5 400	
TOTAL-TINDASTOLL	651			432		432		17 919	
TODD (SA) 009-02W5									
TOTAL-TODD	108			63		63		2 358	
TOFIELD 050-19W4									
TOTAL-TOFIELD	408			263	28	235		9 095	
TOLSTAD (SA) 069-04W6									
TOTAL-TOLSTAD	263			188		188		7 232	
TOMAHAWK 052-05W5									
TOTAL-TOMAHAWK	77			53		53		2 229	
TOMATO 072-23W4									
TOTAL-TOMATO	397			236	92	144		5 351	
TONY CREEK NORTH 064-21W5									
TOTAL-TONY CREEK NORTH	876			587	30	557		21 154	
TOOGA (SA) 116-10W6									
TOTAL-TOOGA	30			13		13		535	
TORRINGTON 032-27W4									
TOTAL-TORRINGTON	20			13		13		486	
TOUCHWOOD (SA) 068-09W4									
TOTAL-TOUCHWOOD	12			8		8		299	
TRACY (SA) 095-12W6									
TOTAL-TRACY	20			10		10		393	
TRAP (SA) 017-04W5									
TOTAL-TRAP	208			149		149		6 191	
TROCHU 033-22W4									
TOTAL-TROCHU	1 729			1 084	334	750		31 955	
TURIN 010-18W4									
TOTAL-TURIN	4 355			2 795	537	2 258		85 720	
TURNER VALLEY 020-03W5									
RUNDLE SOLN	38 317	0.55	0.56	9 300	8 917	383	42[a]	15 914	
RUNDLE ASSOC	41 979	0.90	0.72	10 400	10 309	91	42[a]	3 781	
TURNER VALLEY 33-020-03	593	0.80	0.10	427		427	42	17 742	200
OTHER	1 715			1 065	326	739		29 414	
TOTAL-TURNER VALLEY	82 604			21 192	19 552	1 640		66 851	
TWEEDIE 069-13W4									
VIKING B	711	0.65	0.05	439	314	125	37	4 679	7 201
GRAND RAPIDS D	1 184	0.70	0.05	788	651	137	39	5 333	7 054
GLAUCONITIC A	542	0.85	0.05	438			39		6 579

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
										CONCURRENT PRODUCTION OIL DEPLETED
8.02	0.097	0.75	16 550	63	0.798	0.70	2 070.8	1970	1983	
						0.80		1931	1974	CWNGNUL PRODUCTION DECLINE
						0.80		1931	1974	CWNGNUL PRODUCTION DECLINE
41.00	0.040	0.75	26 850	80	0.897	0.72	3 069.7	1981	1982	
1.10	0.240	0.65	2 360	18	0.950	0.56	234.0	1949	1985	TCPL MATERIAL BALANCE
2.28	0.350	0.60	2 220	19	0.953	0.57	281.8	1961	1986	TCPL PRODUCTION DECLINE
2.55	0.255	0.50	2 480	21	0.947	0.57	446.5	1963	1977	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
TWEEDIE 069-13W4 (CONTINUED)									
GLAUCONITIC D	107	0.65	0.05	67			39		2 450
MCMURRAY A	264	0.85	0.05	213			39		4 590
GLAUC A,D&MCMURRAY A TOTAL	913	0.85	0.05	718	652	66	39	2 569	
GLAUCONITIC B		0.75	0.05				39		8 601
MCMURRAY H		0.70	0.05				39		3 649
GLAUC B & MCMURRAY H TOTAL	1 423	0.75	0.05	1 000	610	390	39	15 183	
MCMURRAY B	453	0.75	0.05	323	222	101	39	3 932	1 525
MCMURRAY L	582	0.70	0.05	387	141	246	39	9 577	8 469
GROSMONT A	1 590	0.50	0.05	755	739	16	37	599	11 154
OTHER	3 096			1 896	707	1 189		46 140	
TOTAL-TWEEDIE	9 952			6 306	4 036	2 270		88 012	
TWINING 031-24W4									
VIKING A	673	0.80	0.10	484	195	289	38	11 034	4 404
LOWER MANNVILLE A ASSOC	423	0.90	0.05	362[b]			42		1 714
RUNDLE A ASSOC	5 614	0.90	0.05	4 800[b]			42		21 808
RUNDLE A SOLN	5 874	0.65	0.15	3 245[b]			42		
RUNDLE A & L MANN A TOTAL	11 911	0.80	0.10	8 407[b]	2 852[b]	5 555	42	234 977	
OTHER	3 549			1 985	596	1 389		55 650	
TOTAL-TWINING	16 133			10 876	3 643	7 233		301 661	
TWINING NORTH 033-24W4									
RUNDLE SOLN	2 331	0.60	0.15	1 189[b]			42		
RUNDLE ASSOC	1 988	0.90	0.10	1 610[b]	818[b]	1 981	42	82 311	4 172
OTHER	2 144			1 366	145	1 221		48 068	
TOTAL-TWINING NORTH	6 463			4 165	963	3 202		130 379	
TWO CREEK (SA) 063-16W5									
TOTAL-TWO CREEK	204			125		125		4 888	
UKALTA 057-17W4									
COLONY F	554	0.80	0.05	421	117	304	38	11 607	2 514
WABAMUN-GRAMINIA A	880	0.75	0.05	627	566	61	37[a]	2 261	2 833
OTHER	4 266			2 782	376	2 406		91 034	
TOTAL-UKALTA	5 700			3 830	1 059	2 771		104 902	
UNWIN 045-02W4									
TOTAL-UNWIN	257			172		172		6 438	
UTIKUMA LAKE 081-09W5									
KEG RIVER SAND A SOLN	1 105	0.70	0.55	348	207	141	42	5 911	
OTHER	883			433	54	379		15 645	
TOTAL-UTIKUMA LAKE	1 988			781	261	520		21 556	
VALHALLA 075-10W6									
DOE CREEK A	3 948	0.80	0.05	3 000	745	2 255	37	84 405	19 391
HALFWAY A	1 037	0.75	0.10	700		700	37	26 201	2 038
HALFWAY B ASSOC	5 428	c	c	3 920	26	3 894	40	155 760	6 247
OTHER	6 612			4 293	478	3 815		142 931	
TOTAL-VALHALLA	17 025			11 913	1 249	10 664		409 297	
VALLEYVIEW 070-21W5									
TOTAL-VALLEYVIEW	118			82		82		3 069	
VARDIE (SA) 115-08W6									
TOTAL-VARDIE	513			353		353		13 941	
VAUXHALL 012-17W4									
UPPER MANNVILLE B	645	0.90	0.10	523	12	511	37	19 127	200
GLAUCONITIC CH 07-012-17	767	0.85	0.10	587		587	37	21 971	200
OTHER	1 292			959	17	942		35 235	
TOTAL-VAUXHALL	2 704			2 069	29	2 040		76 333	
VEGA 061-03W5									
TOTAL-VEGA	303			198	6	192		7 902	
VENTRE (SA) 009-04W4									
TOTAL-VENTRE	55			34		34		1 273	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.37	0.250	0.50	2 480	19	0.948	0.58	458.4	1976	1977	
2.11	0.268	0.40	2 480	19	0.948	0.57	457.2	1961	1977	
								1961	1983	TCPL
2.10	0.255	0.50	2 480	21	0.947	0.57	429.8	1961	1985	PRODUCTION DECLINE
2.09	0.268	0.40	2 480	19	0.948	0.57	430.4	1961	1985	PRODUCTION DECLINE
								1961	1985	TCPL
1.78	0.260	0.45	2 500	24	0.951	0.57	461.4	1952	1985	TCPL PRODUCTION DECLINE
1.41	0.260	0.25	2 500	25	0.953	0.56	445.6	1952	1986	PROGAS TCPL MATERIAL BALANCE
7.85	0.110	0.40	2 480	19	0.948	0.57	470.2	1961	1983	TCPL PRODUCTION DECLINE
1.53	0.170	0.65	8 230	45	0.814	0.65	1 423.1	1966	1984	A&S TCPL
1.65	0.200	0.65	11 260	60	0.836	0.67	1 626.1	1962	1977	CONCURRENT PRODUCTION
7.41	0.055	0.55	11 410	63	0.841	0.67	1 622.8	1952	1981	CONCURRENT PRODUCTION
						0.67		1952	1981	CONCURRENT PRODUCTION
								1952	1981	A&S TCPL CONCURRENT PRODUCTION
						0.70		1961	1986	PROGAS TCPL A&S CONCURRENT PRODUCTION
8.66	0.067	0.70	11 410	63	0.823	0.70	1 640.0	1961	1986	PROGAS TCPL A&S CONCURRENT PRODUCTION
2.91	0.281	0.55	4 530	19	0.901	0.61	560.3	1979	1983	TCPL
10.00	0.246	0.40	4 140	27	0.923	0.56	656.0	1968	1985	TCPL PRODUCTION DECLINE
								1963	1979	TCPL
2.27	0.213	0.75	4 260	27	0.900	0.65	696.1	1974	1985	CWNGNUL PANALTA PROGAS TCPL MATERIAL BALANCE
4.50	0.085	0.70	21 710	86	0.905	0.61	2 141.4	1973	1983	PANALTA
3.76	0.129	0.80	21 360	73	0.784	0.87	2 052.3	1978	1986	PANALTA SLPETRO TCPL PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME
16.26	0.216	0.70	11 440	35	0.805	0.86	1 055.2	1979	1982	PROGAS
14.00	0.250	0.80	11 580	34	0.783	0.84	1 081.8	1980	1982	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
VENUS 101-09W6									
TOTAL-VENUS	116			82		82		3 284	
VERDANT (SA) 029-17W4									
TOTAL-VERDANT	18			9		9		334	
VERGER 022-15W4									
MILK RIVER A	7 864	0.70	0.05	5 230			36[a]		79 068
MEDICINE HAT A	8 837	0.70	0.03	6 000			36[a]		73 443
MEDICINE HAT C	174	0.50	0.03	84			36[a]		6 820
MEDICINE HAT D	464	0.50	0.03	225			36		14 073
SECOND WHITE SPECKS A	2 835	0.75	0.05	2 020			36		29 166
SE ALTA GAS SYS(MU) TOTAL	20 174	0.70	0.05	13 559	3 116	10 443	36[a]	379 185	
BASAL COLORADO A	576	0.85	0.05	466	361	105	38	3 970	3 081
MANNVILLE D ASSOC	469	0.75	0.05	334	27	307	39	12 065	1 523
OTHER	2 676			1 830	530	1 300		50 715	
TOTAL-VERGER	23 895			16 189	4 034	12 155		445 935	
VERMILION 050-05W4									
TOTAL-VERMILION	120			78		78		2 919	
VIKING-KINSELLA 047-10W4									
UPPER & MID VIKING A		0.85	0.03				38		194 196
UPPER MANNVILLE YY		0.85	0.03				38		1 667
U&M VIK A & U MANN YY TOTAL	35 172	0.85	0.05	29 000	17 942	11 058	38	418 103	
UPPER MANNVILLE D	608	0.75	0.05	433	343	90	37	3 369	1 272
UPPER MANNVILLE EE	1 220	0.70	0.05	811	768	43	37	1 609	666
UPPER MANNVILLE MMM	967	0.75	0.05	689	432	257	37	9 620	3 348
WAINWRIGHT	683	0.70	0.05	454	379	75	37	2 807	1 710
LOWER MANNVILLE Z	480	0.70	0.05	319	122	197	37	7 374	200
D-2 D	936	0.70	0.05	622	605	17	37[a]	630	2 993
OTHER	14 863			9 399	3 516	5 883		220 161	
TOTAL-VIKING-KINSELLA	54 929			41 727	24 107	17 620		663 673	
VIOLET (SA) 079-02W4									
TOTAL-VIOLET	3			2		2		86	
VIRGINIA HILLS 064-13W5									
BELLOY A SOLN	632	0.65	0.30	288[b]			40		
BELLOY A ASSOC	1 278	0.92	0.15	1 000[b]	871[b]	417	40	16 547	2 248
BEAVERHILL LAKE SOLN	6 635	0.36	0.40	1 433	1 121	312	40	12 496	
OTHER	555			389	14	375		14 482	
TOTAL-VIRGINIA HILLS	9 100			3 110	2 006	1 104		43 525	
VIRGO 115-06W6									
BLUESKY A	500	0.50	0.05	238			37		10 470
BLUESKY A	14	0.65	0.05	9			39		200
BLUESKY A	154	0.50	0.05	73			37		200
BLUESKY A TOTAL	668	0.50	0.05	320	101	219	37	8 197	
OTHER	4 186			2 295	279	2 016		83 278	
TOTAL-VIRGO	4 854			2 615	380	2 235		91 475	
VOYAGER 045-17W5									
TOTAL-VOYAGER	148			91		91		3 433	
VULCAN 016-24W4									
TURNER VALLEY C	1 113	0.60	0.20	535	136	399	39	15 681	1 482
OTHER	612			420	299	121		4 671	
TOTAL-VULCAN	1 725			955	435	520		20 352	
WABASCA (SA) 085-24W4									
TOTAL-WABASCA	14			6		6		220	
WAINWRIGHT 045-06W4									
VIKING	2 210	0.50	0.05	1 050			37		28 723
COLONY R	91	0.75	0.05	65			35		1 320
COLONY V ASSOC	6	0.70	0.05	4			35		160
COLONY W ASSOC	1	0.70	0.05	1			35		52
COLONY G	58	0.75	0.05	42			35		641
VIK & CLY G,R,V,W&EE TOTAL	2 366	0.50	0.05	1 162	425	737	37	26 901	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.93	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
2.78	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1980	
0.65	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
0.84	0.139	0.60	4 450	19	0.921	0.57	487.7	1973	1986	
1.25	0.216	0.60	5 690	27	0.899	0.57	630.0	1939	1985	PANALTA TCPL
								1904	1986	CNG PANALTA TCPL
0.86	0.207	0.60	8 450	30	0.855	0.60	947.4	1959	1986	TCPL PANALTA PRODUCTION DECLINE
2.73	0.164	0.60	10 410	35	0.839	0.60	1 046.7	1970	1981	CNG CONCURRENT PRODUCTION OIL DEPLETED
1.43	0.230	0.55	5 580	24	0.890	0.61	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.80	0.340	0.55	5 580	26	0.893	0.61	699.5	1965	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1983	CWNGNUL KANNGAZ PANALTA TCPL PART OF VIK POOL NO.2
2.17	0.280	0.60	4 920	27	0.910	0.60	746.0	1973	1986	NUL CWNGNUL MATERIAL BALANCE
3.89	0.263	0.75	4 610	23	0.912	0.60	724.3	1955	1986	CWNGNUL TCPL MATERIAL BALANCE
2.97	0.276	0.60	5 470	23	0.895	0.59	758.5	1949	1983	
4.08	0.266	0.65	5 220	23	0.898	0.59	709.0	1955	1986	MATERIAL BALANCE
0.50	0.220	0.65	5 520	26	0.902	0.58	765.5	1979	1986	PRODUCTION DECLINE
4.45	0.092	0.65	4 670	34	0.925	0.58	738.5	1960	1986	CWNGNUL TCPL PRODUCTION DECLINE
						0.68		1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
3.27	0.184	0.75	13 440	77	0.867	0.68	1 883.7	1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
						0.88		1957	1983	A&S CWNGNUL
2.00	0.210	0.40	2 690	12	0.945	0.73	217.9	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.250	0.65	2 690	12	0.939	0.57	224.2	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-15-115-4 W6M
24.00	0.329	0.60	1 590	15	0.964	0.73	231.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 12-24-114-05 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1
6.37	0.101	0.60	16 820	64	0.816	0.80	1 833.6	1960	1979	TCPL
1.04	0.248	0.55	5 030	21	0.897	0.60	590.7	1953	1981	
1.52	0.210	0.50	4 140	23	0.923	0.59	593.8	1973	1985	
0.55	0.260	0.60	3 900	22	0.924	0.60	598.8	1975	1979	
0.51	0.200	0.55	4 150	22	0.919	0.60	600.0	1977	1979	
1.22	0.289	0.60	4 140	24	0.921	0.59	594.8	1973	1985	
								1953	1985	CWNGNUL PANALTA TCPL KANNGAZ

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WAINWRIGHT 045-06W4 (CONTINUED)									
COLONY	369	0.90	0.05	315	122	193	35	6 792	1 851
SPARKY E	480	0.75	0.05	342	264	78	35	2 745	1 741
OTHER	5 545			2 886	517	2 369		83 913	
TOTAL-WAINWRIGHT	8 760			4 705	1 328	3 377		120 351	
WALRUS (SA) 082-17W5									
TOTAL-WALRUS	71			48		48		1 797	
WANYANDIE 060-01W6									
UPPER CARDIUM 03-060-01	674	0.75	0.10	455		455	39	17 882	200
OTHER	854			583		583		22 034	
TOTAL-WANYANDIE	1 528			1 038		1 038		39 916	
WAPITI 067-10W6									
FALHER C-1	2 228	0.85	0.15	1 610	565	1 045	38	39 198	4 437
FALHER C-2	471	0.85	0.15	340	275	65	38	2 438	200
FALHER C-3	587	0.75	0.15	374	155	219	38	8 215	200
FALHER D-1	3 046	0.85	0.10	2 330	523	1 807	38	67 781	11 425
FALHER F-1	1 333	0.75	0.15	850	749	101	38	3 789	400
CADOMIN A	10 142	0.70	0.10	5 390	2	5 388	38	239 614	29 252
NIKANASSIN #1 30-066-10	801	0.75	0.10	541		541	39	21 261	200
NIKANASSIN 1&2 29-067-08	448	0.85	0.05	362		362	39	14 227	200
BELLOY 33-067-07	429	0.80	0.10	309		309	39	12 144	200
OTHER	9 577			6 117	614	5 503		207 881	
TOTAL-WAPITI	29 062			19 223	2 883	16 340		616 548	
WAPPAU (SA) 074-11W4									
TOTAL-WAPPAU	22			15		15		566	
WARRENSVILLE (SA) 084-24W5									
TOTAL-WARRENSVILLE	77			48		48		1 797	
WARSPITE 060-18W4									
TOTAL-WARSPITE	628			412	166	246		9 622	
WARWICK 052-14W4									
UPPER MANNVILLE G	587	0.75	0.05	418	408	10	37	374	1 655
UPPER MANNVILLE K	996	0.75	0.05	710	539	171	37	6 401	538
UPPER MANNVILLE M	500	0.70	0.05	333	301	32	37	1 198	1 782
UPPER MANNVILLE D	399	0.75	0.05	284			37		1 662
UPPER MANNVILLE NNN	52	0.65	0.05	32			37		924
UPPER MANNVILLE D&NNN TOTAL	451	0.75	0.05	316	263	53	37	1 984	
OTHER	11 404			7 562	2 917	4 645		173 216	
TOTAL-WARWICK	13 938			9 339	4 428	4 911		183 173	
WASKAHIGAN 064-23W5									
DUNVEGAN A SOLN	228	0.60	0.10	123[b]			41		
DUNVEGAN A ASSOC	516	0.90	0.10	418[b]	281[b]	260	41	10 707	955
DUNVEGAN C SOLN	46	0.65	0.10	27[b]			41		
DUNVEGAN C ASSOC	1 000	0.80	0.10	720[b]	606[b]	141	41	5 806	2 341
DUNVEGAN B	920	0.85	0.10	704	457	247	41	10 171	2 613
OTHER	1 057			716	78	638		25 488	
TOTAL-WASKAHIGAN	3 767			2 708	1 422	1 286		52 172	
WATCH 054-22W5									
TOTAL-WATCH	182			127		127		4 991	
WATELET 047-26W4									
TOTAL-WATELET	544			352	53	299		11 827	
WATERTON 004-01W5									
RUNDLE C	7 143	0.80	0.30	4 000	467	3 533	39[a]	137 540	2 378
RUNDLE D & E	19 479	0.80	0.52	7 480			39		2 986
RUNDLE D & E TOTAL	19 479	0.80	0.50	7 480	3 788	3 692	39[a]	143 730	
RUNDLE A	1 358	0.80	0.30	760			39[a]		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.35	0.250	0.60	3 870	25	0.930	0.60	633.7	1952	1977	NONCOMMERCIAL OIL
2.04	0.305	0.70	4 480	21	0.915	0.59	616.6	1956	1986	PRODUCTION DECLINE
10.70	0.200	0.89	19 610	92	0.863	0.69	2 291.0	1980	1980	
4.56	0.090	0.65	20 640	83	0.876	0.67	2 485.6	1978	1986	PANALTA PROGAS TCPL DEEP CUT SL
6.58	0.065	0.60	25 000	91	0.920	0.69	2 246.4	1980	1986	TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL DEEP CUT SL
16.60	0.060	0.60	22 500	94	0.933	0.70	2 336.2	1979	1986	PANALTA PROGAS TCPL PRODUCTION DECLINE DEEP CUT SL
3.13	0.068	0.70	21 050	91	0.919	0.60	2 479.5	1979	1986	PANALTA PROGAS TCPL DEEP CUT SL
8.00	0.105	0.75	24 890	102	0.930	0.70	2 541.2	1979	1985	PANALTA PROGAS TCPL PRODUCTION DECLINE DEEP CUT SL
4.37	0.047	0.70	21 420	88	0.887	0.79	2 805.2	1956	1985	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
19.30	0.110	0.85	25 000	77	0.915	0.61	2 914.0	1980	1984	DEEP CUT SL
11.40	0.110	0.80	24 700	69	0.920	0.59	2 606.1	1981	1984	PROGAS TCPL DEEP CUT SL
16.00	0.135	0.55	22 930	117	0.926	0.68	2 956.2	1980	1981	TCPL
1.70	0.280	0.75	4 930	27	0.911	0.57	760.5	1970	1983	TCPL PRODUCTION DECLINE
6.85	0.280	0.80	4 760	30	0.917	0.57	701.5	1970	1985	TCPL MATERIAL BALANCE
2.85	0.238	0.65	4 700	34	0.920	0.58	749.6	1970	1985	TCPL PRODUCTION DECLINE
1.39	0.236	0.50	4 740	30	0.920	0.57	731.1	1970	1986	TCPL MATERIAL BALANCE
0.89	0.232	0.55	4 690	24	0.910	0.57	717.2	1980	1984	TCPL
								1970	1986	
						0.66		1967	1986	A&S CONCURRENT PRODUCTION
5.12	0.160	0.65	10 240	63	0.854	0.66	1 546.5	1967	1986	A&S CONCURRENT PRODUCTION
						0.66		1959	1984	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.80	0.140	0.55	10 240	63	0.854	0.66	1 501.1	1959	1984	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.87	0.120	0.65	10 360	64	0.855	0.67	1 588.4	1961	1985	A&S MATERIAL BALANCE
26.88	0.050	0.75	36 540	91	0.958	0.77	3 549.3	1957	1984	A&S
23.43	0.050	0.80	34 890	79	0.853	0.96	3 536.3	1957	1986	MATERIAL BALANCE
								1957	1983	A&S
8.64	0.050	0.80	29 160	74	0.724	0.87	2 780.7	1960	1982	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
WATERTON 004-01W5 (CONTINUED)									
RUNDLE H	556	0.85	0.30	330			39[a]		200
RUNDLE A & H TOTAL	1 914	0.80	0.30	1 090	163	927	39[a]	36 088	
RUNDLE 05-006-01	950	0.75	0.15	606		606	39	23 592	200
RUNDLE-WABAMUN A	84 194	0.88	0.34	48 900	38 015	10 885	39[a]	427 781	5 768
WABAMUN B	924	0.85	0.28	566	304	262	36	9 416	386
WABAMUN 31-006-03	908	0.85	0.35	502		502	36	18 042	512
WABAMUN 03-006-03	842	0.65	0.20	438		438	36	15 742	200
OTHER	1 226			695	4	691		26 324	
TOTAL-WATERTON	117 580			64 277	42 741	21 536		838 255	
WATTS 031-16W4									
BANFF D SOLN	50	0.65	0.15	28[b]			39		
BANFF D ASSOC	443	0.85	0.15	320[b]	85[b]	263	39	10 239	969
OTHER	1 369			851	158	693		27 178	
TOTAL-WATTS	1 862			1 199	243	956		37 417	
WAVY LAKE 043-14W4									
TOTAL-WAVY LAKE	885			586	97	489		18 359	
WAYNE-ROSEDALE 027-19W4									
BELLY RIVER J	28	0.65	0.05	17			37		200
BELLY RIVER K	514	0.60	0.05	293			37		3 348
BELLY RIVER J & K TOTAL	542	0.60	0.05	310	43	267	37	9 994	
MEDICINE HAT A	1 664	0.70	0.03	1 130			36[a]		25 841
SE ALTA GAS SYS (MU) TOTAL	1 664	0.70	0.05	1 130		1 130	36[a]	41 030	
VIKING A	3 435	0.95	0.05	3 100	2 718	382	37[a]	14 298	25 593
VIKING B	676	0.90	0.05	578	391	187	37	6 999	3 280
GLAUCONITIC A	1 050	0.90	0.10	851	827	24	42	1 006	1 625
GLAUCONITIC G	789	0.90	0.10	639	623	16	42	671	975
GLAUCONITIC I	512	0.85	0.10	392	198	194	42	8 132	200
GLAUCONITIC T	1 945	0.80	0.10	1 400	401	999	42	41 878	8 258
OSTRACOD A	479	0.85	0.05	387	337	50	42	2 096	200
BASAL QUARTZ E SOLN	162	0.60	0.10	87[b]			42		
BASAL QUARTZ E ASSOC	418	0.80	0.10	301[b]	57[b]	331	42	13 876	684
BASAL QUARTZ EEE	488	0.70	0.10	308	142	166	39	6 401	615
OTHER	12 094			6 124	2 053	4 071		165 414	
TOTAL-WAYNE-ROSEDALE	24 254			15 607	7 790	7 817		311 795	
WEALD 050-19W5									
TOTAL-WEALD	830			610		610		24 500	
WEASEL 058-19W4									
TOTAL-WEASEL	191			126		126		4 693	
WEASONE (SA) 062-09W5									
TOTAL-WEASONE	100			67		67		2 508	
WEBSTER 074-05W6									
LOWER MANNVILLE A	811	0.80	0.15	552	52	500	37	18 340	2 052
BELLOY A	733	0.90	0.10	594	22	572	37	21 410	128
OTHER	678			499	186	313		11 716	
TOTAL-WEBSTER	2 222			1 645	260	1 385		51 466	
WELLBURN 009-18W4									
TOTAL-WELLBURN	74			44	26	18		654	
WEMBLEY 073-08W6									
HALFWAY B SOLN	3 600	0.65	0.20	1 872		1 872	40	74 880	
HALFWAY B ASSOC	5 678	c	c	4 100	22	4 078	40	163 120	5 980
DOIG E SOLN	292	0.65	0.25	143[b]			34		
DOIG E ASSOC	957	0.85	0.15	691[b]	14[b]	820	34	28 233	1 163
OTHER	926			618		618		22 593	
TOTAL-WEMBLEY	11 453			7 424	36	7 388		288 826	
WERNER 034-12W4									
TOTAL-WERNER	122			83		83		3 231	
WEST COVE 055-06W5									
TOTAL-WEST COVE	800			556	1	555		23 072	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
23.75	0.054	0.85	30 230	102	0.898	0.83	3 340.0	1960	1978	
								1960	1978	A&S
52.00	0.040	0.80	40 530	104	1.071	0.78	4 441.5	1981	1982	PROGAS
27.90	0.053	0.80	32 960	80	0.906	0.84	3 124.2	1959	1983	A&S MATERIAL BALANCE GAS CYCLING
19.30	0.053	0.80	40 800	101	1.061	0.85	4 191.3	1958	1982	A&S PROGAS MATERIAL BALANCE
17.89	0.053	0.80	27 720	96	0.914	0.67	3 710.8	1964	1982	PROGAS
38.30	0.050	0.80	35 210	83	1.024	0.66	3 427.5	1981	1983	A&S PROGAS
						0.81		1984	1986	TCPL CONCURRENT PRODUCTION
3.47	0.135	0.80	9 300	37	0.700	0.81	1 203.9	1984	1986	TCPL CONCURRENT PRODUCTION
4.00	0.260	0.45	2 900	18	0.942	0.56	505.0	1978	1980	
3.46	0.236	0.60	3 080	24	0.942	0.56	699.3	1977	1984	
								1977	1984	TCPL
1.36	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1981	
								1904	1983	TCPL
2.06	0.200	0.70	8 070	38	0.851	0.64	1 184.8	1953	1984	CWNG CWNGNUL TCPL PANALTA MATERIAL BALANCE
2.87	0.174	0.40	8 070	38	0.847	0.64	1 214.2	1954	1982	TCPL MATERIAL BALANCE
4.75	0.198	0.70	10 070	42	0.810	0.68	1 330.1	1953	1982	TCPL MATERIAL BALANCE
4.42	0.180	0.75	11 107	41	0.800	0.67	1 331.9	1957	1980	TCPL MATERIAL BALANCE
3.70	0.198	0.70	10 070	44	0.820	0.67	1 346.8	1957	1982	TCPL MATERIAL BALANCE
2.28	0.177	0.55	9 670	40	0.828	0.64	1 282.0	1966	1986	TCPL PART OF GLAUC POOL NO.4
2.74	0.200	0.65	10 100	46	0.825	0.67	1 339.8	1962	1981	TCPL MATERIAL BALANCE
						0.70		1959	1986	TCPL CONCURRENT PRODUCTION
6.20	0.167	0.50	10 340	38	0.801	0.70	1 341.0	1959	1986	TCPL CONCURRENT PRODUCTION
6.80	0.178	0.60	9 810	42	0.810	0.67	1 232.2	1966	1982	TCPL
3.38	0.140	0.55	14 690	75	0.800	0.76	1 665.1	1973	1977	CWNGNUL TCPL
21.89	0.200	0.70	19 240	71	0.851	0.71	2 068.4	1973	1982	TCPL
						0.87		1978	1986	PROGAS SLPETRO PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME
4.53	0.117	0.80	21 360	73	0.784	0.87	2 052.3	1978	1986	PROGAS SLPETRO PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME
						0.71		1972	1986	PROGAS CONCURRENT PRODUCTION
6.69	0.077	0.80	21 560	85	0.862	0.71	2 117.9	1972	1986	PROGAS CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
WEST DRUMHELLER 030-21W4									
TOTAL-WEST DRUMHELLER	1 296			353	61	292		11 846	
WESTEEN (SA) 006-15W4									
TOTAL-WESTEEN	13			9		9		337	
WESTEROSE 046-28W4									
UPPER MANNVILLE B	2 778	0.80	0.10	2 000	48	1 952	42	82 570	3 208
D-3 SOLN	5 146	0.71	0.15	3 106[b]			39[a]		
D-3 ASSOC	3 752	0.90	0.15	2 870[b]	2 274[b]	3 702	39[a]	145 489	490
OTHER	1 720			1 153	101	1 052		43 491	
TOTAL-WESTEROSE	13 396			9 129	2 423	6 706		271 550	
WESTEROSE SOUTH 044-01W5									
GLAUCONITIC A	24 761	0.70	0.10	15 600	2 603	12 997	38	496 225	26 132
D-3 A	51 069	0.88	0.15	38 200	37 546	654	40[a]	25 951	4 770
OTHER	2 674			1 772	16	1 756		68 892	
TOTAL-WESTEROSE SOUTH	78 504			55 572	40 165	15 407		591 068	
WESTLOCK 059-26W4									
VIKING U	386	0.85	0.04	315	34	281	40	11 150	5 538
VIKING		0.95	0.04				40		33 962
VIKING B	526	0.80	0.05	400			40		8 596
VIKING I		0.95	0.04				40		4 811
VIKING J		0.95	0.04				40		400
VIKING K		0.95	0.04				40		2 531
VIKING L		0.95	0.04				40		1 893
VIKING M		0.95	0.04				40		916
VIKING N		0.95	0.04				40		6 992
VIKING O		0.95	0.04				40		1 457
VIKING P		0.95	0.04				40		1 461
VIKING Q		0.95	0.04				40		200
VIK,VIK BIJKLMNOP & Q TOTAL	13 377	0.95	0.05	12 200	9 749	2 451	40	97 256	
LOWER MANNVILLE B	506	0.75	0.10	342	200	142	41[a]	5 848	1 993
OTHER	2 779			1 954	446	1 508		61 073	
TOTAL-WESTLOCK	17 048			14 811	10 429	4 382		175 327	
WESTPEM 049-13W5									
BLUERIDGE 14-049-13	448	0.80	0.15	304		304	39	11 947	200
NISKU E	1 160	c	c	709		709	45[a]	31 735	87
OTHER	1 876			1 239	-593	1 832		71 998	
TOTAL-WESTPEM	3 484			2 252	-593	2 845		115 680	
WETASKIWIN 045-24W4									
TOTAL-WETASKIWIN	286			191		191		7 149	
WHISKEY 022-05W5									
RUNDLE A	2 647	0.40	0.15	900	14	886	42[a]	36 813	440
OTHER	1 678			327		327		12 429	
TOTAL-WHISKEY	4 325			1 227	14	1 213		49 242	
WHITE ROSE (SA) 118-01W6									
TOTAL-WHITE ROSE	5			4		4		157	
WHITECOURT 060-11W5									
CADOMIN A & JURASSIC	2 222	0.85	0.10	1 700			40		1 879
CADOMIN A&JURASSIC E TOTAL	2 222	0.85	0.10	1 700	1 193	507	40	20 305	
JURASSIC C	4 444	0.75	0.10	3 000	1 285	1 715	40	68 686	684
JURASSIC D	1 355	0.80	0.10	976	246	730	40	29 237	2 108
PEKISKO E	4 741	0.75	0.10	3 200	1 196	2 004	40	80 160	4 746
OTHER	1 646			1 138	178	960		38 089	
TOTAL-WHITECOURT	14 408			10 014	4 098	5 916		236 477	
WHITEHORSE 049-15W5									
NISKU 18-050-15	899	0.85	0.05	726		726	39	28 532	128
NISKU 20-050-15	805	0.80	0.10	580		580	39	22 794	200
OTHER	1 175			852	21	831		33 310	
TOTAL-WHITEHORSE	2 879			2 158	21	2 137		84 636	
WHITELAW 082-02W6									
SPIRIT RIVER F	310	0.80	0.05	236			38		1 629
SPIRIT RIVER G	260	0.65	0.05	161			38		2 119

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.00	0.124	0.65	11 750	46	0.780	0.71	1 690.6	1980	1986	PANALTA PROGAS SOQUIP
						0.76		1952	1984	TCPL CONCURRENT PRODUCTION
57.35	0.080	0.90	17 470	64	0.795	0.76	2 146.1	1952	1984	TCPL CONCURRENT PRODUCTION
8.95	0.114	0.55	16 600	73	0.808	0.72	1 851.8	1977	1986	PROGAS TCPL A&S SOQUIP
75.90	0.085	0.90	18 960	83	0.810	0.82	2 325.1	1954	1985	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
0.98	0.199	0.60	5 820	37	0.897	0.61	794.3	1959	1984	NORCEN TCPL
2.16	0.192	0.65	5 820	37	0.897	0.61	776.8	1949	1984	MATERIAL BALANCE
0.85	0.190	0.65	5 640	33	0.900	0.60	712.9	1972	1984	
1.50	0.203	0.65	5 820	37	0.897	0.61	759.4	1984	1984	MATERIAL BALANCE
1.25	0.206	0.60	5 820	37	0.897	0.61	767.2	1955	1984	MATERIAL BALANCE
1.02	0.190	0.60	5 820	37	0.897	0.61	748.7	1949	1984	MATERIAL BALANCE
0.62	0.130	0.50	5 820	37	0.897	0.61	783.8	1984	1984	MATERIAL BALANCE
0.77	0.190	0.65	5 820	37	0.897	0.61	724.1	1961	1984	MATERIAL BALANCE
0.81	0.162	0.55	5 820	37	0.897	0.61	784.2	1953	1984	MATERIAL BALANCE
0.52	0.190	0.50	5 820	37	0.897	0.61	762.5	1975	1984	MATERIAL BALANCE
1.32	0.191	0.65	5 820	37	0.897	0.61	734.2	1959	1984	MATERIAL BALANCE
1.20	0.192	0.65	5 820	37	0.897	0.61	718.7	1961	1984	MATERIAL BALANCE
								1949	1984	CWNGNUL NORCEN PANALTA PWGE TCPL
2.91	0.207	0.60	6 670	36	0.874	0.62	955.5	1951	1982	CWNGNUL TCPL NORCEN
10.47	0.090	0.80	39 720	91	1.045	0.78	3 103.0	1980	1981	
39.30	0.106	0.90	39 720	106	1.083	1.26	3 148.9	1978	1982	GAS CYCLING
41.50	0.076	0.75	26 300	77	0.840	0.75	3 522.9	1968	1986	TCPL PRODUCTION DECLINE TOP/BASE TVD
5.38	0.168	0.50	12 830	66	0.855	0.65	1 527.1	1962	1983	MATERIAL BALANCE
								1962	1983	TCPL
2.35	0.157	0.70	12 700	63	0.848	0.64	1 532.8	1968	1985	TCPL MATERIAL BALANCE
7.31	0.144	0.50	12 170	64	0.841	0.67	1 582.7	1965	1986	PROGAS TCPL
10.29	0.118	0.65	12 780	66	0.847	0.65	1 585.0	1963	1986	PANALTA PROGAS TCPL
56.74	0.060	0.85	31 610	100	0.993	0.62	3 374.5	1980	1982	PROGAS
21.45	0.089	0.89	29 120	87	0.971	0.60	3 276.5	1981	1981	PROGAS TCPL
2.29	0.250	0.50	6 410	33	0.896	0.57	716.0	1951	1980	
2.02	0.230	0.50	5 140	30	0.913	0.57	620.6	1977	1978	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
WHITELAW 082-02W6 (CONTINUED)									
SPIRIT RIVER H	184	0.65	0.05	114			38		1 668
SPIRIT RIVER FG & H TOTAL	754	0.70	0.05	511	194	317	38	12 103	
BLUESKY A	379	0.75	0.05	270			38		2 025
GETHING A	382	0.85	0.10	293			38		2 167
BLSKY A & GETH A TOTAL	761	0.80	0.10	563	140	423	38	16 150	
GETHING B	573	0.80	0.05	435	276	159	38	6 071	1 747
TRIASSIC A	587	0.90	0.05	501		501	41	20 441	813
OTHER	830			530	82	448		17 683	
TOTAL-WHITELAW	3 505			2 540	692	1 848		72 448	
WHITEMUD 051-25W4									
TOTAL-WHITEMUD	178			119	28	91		3 917	
WHITFORD 058-16W4									
VIKING A	1 303	0.80	0.05	990	35	955	37	35 746	16 299
OTHER	1 615			1 009	293	716		26 840	
TOTAL-WHITFORD	2 918			1 999	328	1 671		62 586	
WIDEWATER 073-08W5									
TOTAL-WIDEWATER	276			192		192		7 301	
WILD HORSE CREEK 031-10W5									
RUNDLE A	2 084	0.45	0.20	750	585	165	38	6 239	668
TOTAL-WILD HORSE CREEK	2 084			750	585	165		6 239	
WILD RIVER 056-24W5									
WABAMUN A	656	0.85	0.10	502		502	38	19 166	64
IRETON A	627	0.90	0.05	536		536	37	20 062	200
LEDUC 16-056-23	836	0.80	0.05	636		636	37	23 570	200
OTHER	1 584			1 092		1 092		42 279	
TOTAL-WILD RIVER	3 703			2 766		2 766		105 077	
WILDCAT HILLS 027-06W5									
RUNDLE A	29 411	0.88	0.15	22 000	14 769	7 231	39[a]	281 503	4 062
TOTAL-WILDCAT HILLS	29 411			22 000	14 769	7 231		281 503	
WILDMERE 048-05W4									
TOTAL-WILDMERE	6 605			4 389	887	3 502		126 488	
WILDUNN CREEK 029-14W4									
VIKING B	619	0.70	0.05	411	140	271	39[a]	10 450	2 158
OTHER	359			215	96	119		4 621	
TOTAL-WILDUNN CREEK	978			626	236	390		15 071	
WILDWOOD 054-09W5									
TOTAL-WILDWOOD	670			451		451		17 344	
WILKINS 042-08W4									
TOTAL-WILKINS	154			103		103		3 895	
WILLESDEN GREEN 042-07W5									
BELLY RIVER J SOLN	9	0.60	0.40	3[b]			40		
BELLY RIVER J ASSDC	562	0.80	0.10	405[b]	90[b]	318	40	12 736	1 080
BELLY RIVER E	822	0.80	0.10	592		592	40	23 710	1 531
CARDIUM A ASSOC	907	0.85	0.10	694[b]			39[a]		3 934
CARDIUM A ASSOC	958	0.85	0.10	733[b]			39[a]		4 552
CARDIUM A PRIMARY SOLN	2 816	0.70	0.45	1 084[b]			39[a]		
CARDIUM A WATERFLOOD SOLN	12 056	0.27	0.60	1 302[b]			39[a]		
CARDIUM A MISCIBLE SOLN	6 266	0.48	0.54	1 384[b]			39[a]		
CARDIUM A TOTAL	23 003	0.45	0.45	5 197[b]	2 293[b]	2 904	39[a]	113 053	
VIKING A SOLN	1 093	0.65	0.15	604[b]			37		
VIKING A ASSOC	512	0.70	0.15	304[b]	251[b]	657	37	24 592	1 076
GLAUCONITIC C	7 301	0.70	0.10	4 600	162	4 438	41	182 757	8 543
LOWER MANNVILLE33-043-06	459	0.90	0.15	351		351	41	14 454	200
ELLERSLIE G	2 169	0.50	0.10	977	1	976	40	39 460	2 067
OTHER	7 703			4 704	358	4 346		174 997	
TOTAL-WILLESDEN GREEN	43 633			17 737	3 155	14 582		585 759	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.25	0.280	0.50	6 100	33	0.900	0.57	683.7	1977	1982	
								1951	1980	A&S PANALTA TCPL
1.93	0.176	0.65	7 860	30	0.870	0.56	846.0	1950	1985	
1.83	0.190	0.65	7 440	40	0.866	0.63	870.9	1951	1985	
								1950	1985	A&S CWNGNUL TCPL
3.26	0.190	0.65	7 540	33	0.860	0.61	877.6	1959	1985	A&S CWNGNUL TCPL
3.51	0.210	0.70	9 860	40	0.854	0.58	997.3	1950	1973	NUL
1.23	0.260	0.55	4 240	18	0.912	0.59	468.4	1949	1984	CWNGNUL PANALTA TCPL
26.69	0.077	0.85	21 720	62	0.861	0.67	2 164.5	1960	1984	A&S TCPL MATERIAL BALANCE TOP/BASE TVD
127.10	0.036	0.80	42 540	127	1.080	0.71	3 611.3	1968	1983	
10.18	0.140	0.90	37 820	138	1.070	0.57	3 950.1	1972	1975	
27.00	0.070	0.80	40 600	110	1.091	0.57	4 167.1	1980	1982	
43.30	0.073	0.85	26 960	84	0.912	0.70	2 982.0	1958	1984	A&S CWNGNUL MATERIAL BALANCE TOP/BASE TVD
2.29	0.251	0.60	7 790	33	0.871	0.58	948.7	1953	1981	KANNGAZ TCPL
						0.66		1972	1984	CONCURRENT PRODUCTION
4.63	0.150	0.75	9 130	41	0.828	0.66	1 532.2	1972	1984	CONCURRENT PRODUCTION
6.16	0.145	0.50	10 550	46	0.782	0.70	1 544.6	1959	1986	A&S
1.88	0.112	0.50	20 170	58	0.791	0.73	1 785.3	1954	1985	
2.92	0.095	0.35	19 830	58	0.786	0.75	1 831.0	1954	1985	CONCURRENT PRODUCTION
								1954	1984	
								1954	1977	
								1954	1985	
								1954	1985	A&S PROGAS TCPL CONCURRENT PRODUCTION
						0.77		1956	1986	A&S KANNGAZ PROGAS TCPL CONCURRENT PRODUCTION
2.49	0.126	0.80	17 170	63	0.766	0.77	2 311.1	1956	1986	A&S KANNGAZ PROGAS TCPL CONCURRENT PRODUCTION
5.66	0.100	0.65	25 500	85	0.872	0.73	2 367.3	1978	1986	KANNGAZ PROGAS TCPL SOQUIP
11.10	0.120	0.80	21 210	68	0.822	0.73	2 245.3	1975	1978	PANALTA
4.68	0.110	0.80	24 980	63	0.830	0.75	2 336.2	1964	1986	PROGAS SOQUIP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
WILLINGDON 055-15W4									
VIKING A	424	0.80	0.05	322			37		10 815
VIKING B	8	0.75	0.05	6			37		200
VIKING A & B TOTAL	432	0.80	0.05	328	129	199	37	7 299	
OTHER	5 211			3 370	1 590	1 780		65 952	
TOTAL-WILLINGDON	5 643			3 698	1 719	1 979		73 251	
WILLOW 028-17W4									
TOTAL-WILLOW	440			303	124	179		6 871	
WILSON CREEK 043-04W5									
PEKISKO A	1 051	0.85	0.10	804	459	345	42[a]	14 462	2 397
BANFF A	498	0.90	0.10	403	28	375	42[a]	15 720	440
OTHER	167			119	2	117		4 833	
TOTAL-WILSON CREEK	1 716			1 326	489	837		35 015	
WIMBORNE 034-26W4									
D-3 A SOLN	3 090	0.27	0.32	567[b]			37[a]		
D-3 A ASSOC	10 196	0.85	0.25	6 500[b]	4 916[b]	2 151	37[a]	80 512	5 984
OTHER	1 470			767	207	560		21 745	
TOTAL-WIMBORNE	14 756			7 834	5 123	2 711		102 257	
WINAGAMI 077-18W5									
TOTAL-WINAGAMI	60			40		40		1 497	
WINCHELL COULEE 029-06W5									
TOTAL-WINCHELL COULEE	53			35		35		1 310	
WINDFALL 060-15W5									
VIKING A	505	0.80	0.05	384	6	378	39	14 576	3 242
RUNDLE C	552	0.85	0.10	446	173	273	40	11 037	3 411
WINTERBURN 23-060-16	631	0.80	0.10	455		455	42	19 074	128
D-3 A SOLN	4 502	0.40	0.35	1 171[b]			40[a]		
D-3 A ASSOC	19 211	0.87	0.30	11 700[b]	4 932[b]	7 939	40[a]	320 974	4 799
OTHER	4 023			2 579	597	1 982		80 912	
TOTAL-WINDFALL	29 424			16 735	5 708	11 027		446 573	
WINDY 049-04W4									
TOTAL-WINDY	129			81	8	73		2 596	
WINEFRED (SA) 078-03W4									
TOTAL-WINEFRED	69			33		33		1 248	
WINTERING HILLS 025-17W4									
MILK RIVER A	1 940	0.70	0.05	1 290			36[a]		22 242
MEDICINE HAT A	5 862	0.70	0.03	3 980			36		55 734
SE ALTA GAS SYS(MU) TOTAL	7 802	0.70	0.05	5 270	149	5 121	36[a]	185 944	
ELLERSLIE A ASSOC	2 026	0.80	0.05	1 540	64	1 476	41	60 221	3 904
OTHER	5 053			3 358	917	2 441		97 357	
TOTAL-WINTERING HILLS	14 881			10 168	1 130	9 038		343 522	
WIZARD LAKE 048-27W4									
D-3 A SOLN	6 758	0.95	0.13	5 585	4 916	669	47	31 303	
OTHER	1 065			690	-6 171	6 861		319 301	
TOTAL-WIZARD LAKE	7 823			6 275	-1 255	7 530		350 604	
WOKING 075-05W6									
BLUESKY B	435	0.80	0.05	331	172	159	39	6 249	861
OTHER	1 937			1 213	337	876		33 991	
TOTAL-WOKING	2 372			1 544	509	1 035		40 240	
WOLF 054-16W5									
TOTAL-WOLF	356			229		229		8 572	
WOLF SOUTH 051-15W5									
ROCK CREEK 11-051-15	603	0.80	0.05	458		458	40	18 343	200
OTHER	296			197		197		7 832	
TOTAL-WOLF SOUTH	899			655		655		26 175	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.90	0.189	0.50	4 310	19	0.911	0.60	510.8	1949	1983	
0.70	0.230	0.55	4 420	18	0.908	0.59	512.8	1980	1980	
								1949	1983	CWNGNUL PANALTA TCPL
5.67	0.059	0.75	19 270	87	0.871	0.68	2 146.7	1960	1972	A&S PROGAS TCPL
12.74	0.067	0.75	18 170	74	0.842	0.69	2 194.8	1961	1973	A&S
						0.82		1956	1985	TCPL CONCURRENT PRODUCTION
11.92	0.080	0.90	20 750	80	0.842	0.82	2 281.4	1956	1985	TCPL CONCURRENT PRODUCTION
1.71	0.084	0.80	10 820	48	0.833	0.63	1 571.9	1955	1978	PROGAS
1.70	0.075	0.80	16 720	79	0.852	0.66	1 908.0	1956	1978	PROGAS
42.25	0.060	0.90	24 260	85	0.892	0.71	2 445.3	1978	1982	PROGAS
						0.81		1955	1986	A&S PROGAS CONCURRENT PRODUCTION GAS CYCLING
32.92	0.063	0.85	26 100	104	0.867	0.81	2 582.9	1955	1986	A&S PROGAS CONCURRENT PRODUCTION GAS CYCLING
3.45	0.154	0.55	3 140	16	0.938	0.58	355.7	1910	1983	PRODUCTION DECLINE
2.43	0.170	0.55	4 310	17	0.913	0.57	487.7	1904	1980	
								1904	1983	KANNGAZ PROGAS TCPL PANALTA
4.85	0.182	0.55	9 690	38	0.829	0.65	1 117.8	1963	1986	KANNGAZ PANALTA TCPL PART OF ELRSL POOL NO.1 CONCURRENT PRODUCTION
								1951	1983	
1.91	0.180	0.65	12 160	46	0.837	0.61	1 406.0	1959	1986	NUL CWNGNUL MATERIAL BALANCE
11.80	0.150	0.85	21 230	70	0.878	0.59	2 600.6	1981	1983	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
WOLVERINE 098-06W5									
TOTAL-WOLVERINE	193			115		115		4 555	
WOOD RIVER 043-23W4									
LOWER MANNVILLE B	545	0.80	0.10	392	236	156	41	6 424	394
OTHER	3 271			2 033	246	1 787		71 423	
TOTAL-WOOD RIVER	3 816			2 425	482	1 943		77 847	
WOODENHOUSE (SA) 087-22W4									
TOTAL-WOODENHOUSE	265			122		122		4 864	
WOODLAND 060-19W4									
TOTAL-WOODLAND	322			204		204		7 850	
WOOLFORD (SA) 003-24W4									
TOTAL-WOOLFORD	53			23		23		861	
WORKMAN (SA) 031-26W4									
TOTAL-WORKMAN	31			16		16		611	
WORSLEY 087-07W6									
D-3 A	761	0.85	0.07	602	514	88	36[a]	3 129	1 367
D-3 B	827	0.90	0.07	692	681	11	36[a]	391	1 726
D-3 D	1 520	0.85	0.07	1 202	1 202	< 1	36[a]	-	440
D-3 E	783	0.80	0.05	620	581	39	36[a]	1 387	400
D-3 G	1 803	0.40	0.05	685	685	< 1	36[a]	-	1 351
D-3 K	518	0.90	0.05	443	35	408	36	14 508	150
GRANITE WASH A	540	0.85	0.10	413	413	< 1	36	-	128
OTHER	1 556			976	279	697		25 427	
TOTAL-WORSLEY	8 308			5 633	4 390	1 243		44 842	
WRENTHAM 006-16W4									
TOTAL-WRENTHAM	105			65	1	64		2 394	
WROE (SA) 056-25W5									
TOTAL-WROE	311			221		221		8 858	
YEKAU LAKE 052-26W4									
TOTAL-YEKAU LAKE	346			235	65	170		6 809	
YELLOWSTONE (SA) 071-13W5									
TOTAL-YELLOWSTONE	53			35		35		1 371	
YOUNGSTOWN 031-10W4									
TOTAL-YOUNGSTOWN	641			419	30	389		14 982	
ZAMA 118-05W6									
SULPHUR POINT H	434	0.85	0.10	332		332	39[a]	13 048	507
SULPHUR POINT I	630	0.85	0.15	456		456	39[a]	17 921	498
OTHER	9 330			5 553	497	5 056		201 349	
TOTAL-ZAMA	10 394			6 341	497	5 844		232 318	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.24	0.156	0.70	10 470	51	0.803	0.70	1 418.5	1958	1979	TCPL MATERIAL BALANCE
8.53	0.059	0.80	22 820	85	0.896	0.68	2 253.1	1960	1969	MATERIAL BALANCE
17.14	0.063	0.80	22 380	83	0.903	0.65	2 212.6	1960	1984	WCOAST MATERIAL BALANCE
12.20	0.099	0.80	21 330	83	0.894	0.73	2 141.9	1964	1985	
15.85	0.120	0.85	21 230	76	0.901	0.67	2 296.7	1965	1986	WCOAST MATERIAL BALANCE
13.76	0.059	0.80	22 750	83	0.914	0.64	2 221.1	1959	1986	
19.70	0.110	0.85	20 740	75	0.904	0.70	2 124.9	1984	1985	WCOAST
25.00	0.176	0.85	20 340	91	0.894	0.65	2 263.7	1975	1986	
7.32	0.104	0.85	12 820	56	0.838	0.66	1 336.2	1966	1969	PROGAS
14.08	0.081	0.85	13 100	60	0.857	0.68	1 353.9	1968	1969	PROGAS
										BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
TOTAL NON-CONFIDENTIAL POOLS	5 083 250			3 044 311	1 306 615	1 737 696		67 640 058	
TOTAL CONFIDENTIAL POOLS	12 362			8 114		8 114		314 945	
SMALL GAS POOL REDUCTION	37 981			25 723		25 723		996 005	
PROVINCIAL TOTAL	5 057 631			3 026 702	1 306 615	1 720 087		66 958 998	
ETHANE AND NGL RECOVERABLE AT REPROCESSING PLANTS						54 000		4 400 000	
PROVINCIAL RESERVES MINUS ETHANE AND NGL						1 666 087		62 558 998	
WITHIN ECONOMIC REACH	4 968 478			2 973 791	1 306 615	1 667 176		64 917 491	
BEYOND ECONOMIC REACH	89 153			52 911		52 911		2 041 507	
ASSOCIATED	563 337			381 352[b]	294 279[b]	292 488		11 947 800	
SOLUTION	646 429			205 415[b]					
NON-ASSOCIATED	3 847 865			2 439 935	1 012 336	1 427 599		55 011 198	

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[a] MEASURED HEATING VALUE.
[b] INCLUDES SOLUTION GAS PRODUCTION.
[c] POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS

5 ETHANE CONTENT OF GAS

This chapter discusses the 1986 production of ethane and presents the Board's estimate of the total volume of ethane contained in the remaining established reserves of gas. Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the future and that ethane will be recovered from solvent-flood schemes, it has not attempted to estimate the prospective reserves from those sources. The effect of future ethane recovery at gas reprocessing plants on Alberta's remaining established reserves of marketable gas is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1986 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

5.1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve figures in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 315 million cubic metres, some 205 million of which is in currently producing pools and the remaining 110 million in unconnected or deferred pools. Of the ethane content in unconnected pools, some 7.4 million cubic metres is in pools currently considered beyond economic reach and some 1.5 million in confidential pools.

For individual gas pools, the ethane content of marketable gas in Alberta, with few exceptions, falls within the range of 0.0025 mole/mole to 0.20 mole/mole. The 31 December 1986 volume-weighted average ethane content of all remaining established marketable gas is 0.052 mole/mole, as indicated in Table 5-1.

5.2 EXTRACTION OF SPECIFICATION ETHANE IN 1986

During 1986 there was a significant increase in specification ethane extracted at the Petro-Canada Empress plant, the D. M. Wolcott Empress plant, and the Dome Edmonton plant, but a significant decrease in ethane extraction at the Dome Empress and ANG Cochrane plants. Overall, the extraction of specification ethane increased from 5844 thousand cubic metres in 1985 to 6100 thousand cubic metres in 1986.

5.3 EXTRACTION OF ETHANE-PLUS PRODUCT IN 1986

Several gas plants began reporting the extraction of ethane-plus product during 1986. The total provincial extraction of ethane-plus for 1986 was 1952 thousand cubic metres with an estimated ethane content of approximately 0.75 mole/mole.

TABLE 5-1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS
As at 31 December 1986

Fields	1	2	3	4
	Remaining Established Reserves of Marketable Gas	**Ethane Content**[a]	**Volume of Ethane**	
	10^6 m^3	mol/mol	10^6 m^3 (gas)	10^6 m^3 (liquid)
Major Fields				
Bonnie Glen	18 419	0.144	2 646	9.39
Brazeau River	25 011	0.076	1 892	6.72
Caroline	20 632	0.097	2 005	7.12
Cranberry	10 624	0.100	1 066	3.78
Crossfield	14 783	0.064	945	3.35
Edson	15 336	0.059	904	3.21
Elmworth	30 637	0.065	2 001	7.10
Ferrier	10 260	0.086	883	3.13
Garrington	11 925	0.095	1 135	4.03
Gilby	11 981	0.093	1 110	3.94
Harmattan East	18 795	0.086	1 608	5.71
Harmattan-Elkton	19 929	0.086	1 721	6.11
Jumping Pound West	32 597	0.041	1 337	4.75
Karr	11 043	0.088	976	3.46
Kaybob South	34 906	0.127	4 444	15.78
Leduc-Woodbend	14 371	0.121	1 739	6.17
Medicine River	12 103	0.096	1 162	4.13
Pembina	29 050	0.086	2 496	8.86
Rainbow	15 690	0.095	1 488	5.28
Ricinus	19 857	0.081	1 616	5.74
Sylvan Lake	13 830	0.094	1 306	4.64
Valhalla	10 804	0.076	818	2.90
Wapiti	16 484	0.068	1 114	3.95
Waterton	21 617	0.046	989	3.51
Westerose South	15 506	0.093	1 437	5.10
Willesden Green	14 582	0.105	1 531	5.44
Wizard Lake	7 530	0.166	1 252	4.44
Subtotal	478 302	0.087	41 621	148

TABLE 5-1 (continued)

Fields	1 Remaining Established Reserves of Marketable Gas	2 Ethane Content[a]	3 Volume of Ethane	4
	10^6 m^3	mol/mol	10^6 m^3 (gas)	10^6 m^3 (liquid)
Fields with over 1.50 x 10^9 m^3 of remaining established marketable gas but under 3.0 x 10^6 m^3 of ethane reserves	975 357	0.037	36 439	129
Subtotal	1 453 659	0.054	78 060	277
All other remaining established reserves of marketable gas	292 151	0.040	11 710	42
Small Gas Pool Reduction[b]	–25 723	0.040	–1 029	–4
Total	1 720 087	0.052	88 741	315
			(3 150)[c]	(1 994)[d]

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[a] Volume-weighted average. In several fields, ethane is extracted at field plants such that the actual ethane content of marketable gas from these fields is substantially less than this calculated content.

[b] See section 4.2 Small Gas Pool Reserves.

[c] Imperial equivalent in billions of cubic feet.

[d] Imperial equivalent in millions of barrels.

6 RESERVES OF NATURAL GAS LIQUIDS

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

6.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of natural gas liquids in the province as at 31 December 1986 to be 315 million cubic metres. Natural gas liquids from most unconnected and deferred pools were not included in reports issued before 1981. Thus, the 1981 and subsequent-year reserve additions should not be compared directly with additions shown in pre-1981 reports. The changes in the reserves during the past year are tabulated below:

	Established Reserves[a]			
	10^6 m^3 (liquid)			
	Propane	**Butanes**	**Pentanes Plus**	**Total**
Remaining at 31 December 1985	125.6	70.4	120.1	316.1
Additions during 1986	4.7	1.8	5.7	12.2
Less net production[b] during 1986	4.7	2.8	5.8	13.3
Remaining at 31 December 1986	125.6	69.4	120.0	315.0
	(791.3)[c]	(437.1)[c]	(755.1)[c]	(1 983.5)[c]
Cumulative net production[b] to 31 December 1986	95.6	60.5	158.7	314.8
Initial established reserves at 31 December 1986	221.2	129.9	278.7	629.8
	(1 393.6)[c]	(818.0)[c]	(1 753.8)[c]	(3 965.4)[c]

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[a] Discrepancies are due to rounding.

[b] Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.

[c] Imperial equivalent in millions of barrels.

Also during 1986, propane and butane recovery at crude-oil refineries was 309.8 and 518.3 thousand cubic metres, respectively. Although propane and butanes are potentially recoverable at other crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

6.2 MAJOR CHANGES TO RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

During 1986, the Board re-evaluated the liquid-recovery ratios and the remaining established reserves of gas in several pools, which resulted in changes in the remaining established reserves of natural gas liquids. The most significant decrease in the remaining established reserves of natural gas liquids occurred in the Swan Hills Field, due to a re-evaluation of the gas-in-place reserves for the Beaverhill Lake A and B pools. The most significant increases in the remaining established reserves of natural gas liquids occurred in the Elmworth, Wembley, and Mitsue fields, due primarily to re-evaluated liquid recovery ratios and gas-in-place reserves. Increases, due to re-evaluation of liquid recovery ratios and gas-in-place reserves were offset by decreases primarily due to production. This resulted in a net decrease in the remaining established reserves of natural gas liquids, compared to 1985 levels.

6.3 DETERMINATION OF RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where dry gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. This estimate was made on a broad judgement basis having regard for the gas composition in those pools. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. The Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has resulted in changes in the Board's estimates of volumes recoverable from solvent floods. The 1986 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following table shows the natural gas liquid reserves broken down into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

Remaining Established Reserves As at 31 December 1986

10^6 m^3 (liquid)

	Propane	**Butanes**	**Pentanes Plus**	**Total**
Connected	45.0	31.3	75.7	152.0
Unconnected	27.7	16.0	34.7	78.4
Total	72.7	47.3	110.4	230.4

6.4 DISCUSSION OF RESERVES TABLE 6-1

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the "Beyond Economic Reach", "Confidential", and "Other Small Reserves" categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

TABLE 6-1 REMAINING ESTABLISHED RESERVES OF NATURAL GAS LIQUIDS
As at 31 December 1986

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10⁶ m³	m³/10⁶ m³ of marketable gas			10³ m³			
Bigoray	Cardium	34	118	147	324	4	5	11	20
	Mannville	2 371	82	39	116	195	92	276	563
	Jurassic	426	103	61	103	44	26	44	114
	Mississippian	540	35	19	44	19	10	24	53
	Winterburn	281	423	242	167	119	68	47	234
	Subtotal					381	201	402	984
Bigstone	Dunvegan	3 165	144	67	74	455	211	233	899
	Mannville	247	—	—	49	—	—	12	12
	Wabamun	115	139	96	113	16	11	13	40
	Subtotal					471	222	258	951
Bonnie Glen	Cardium	94	255	170	128	24	16	12	52
	Mannville	2 172	101	50	30	219	108	65	392
	Winterburn	194	113	57	41	22	11	8	41
	Leduc[a]	15 942	—	—	—	1 205	996	2 251	4 452
	Subtotal					1 470	1 131	2 336	4 937
Brazeau River	Cretaceous	2 406	190	96	225	457	231	542	1 230
	Jurassic	1 437	149	83	125	214	119	179	512
	Mississippian	14 421	5	3	76	78	44	1 094	1 216
	Winterburn[a]	6 744	—	—	—	1 246	1 260	7 468	9 974
	Subtotal					1 995	1 654	9 283	12 932
Caroline	Cardium	1 224	113	70	92	138	86	112	336
	Viking	1 736	96	78	60	166	135	105	406
	Mannville	15 745	87	58	192	1 362	906	3 028	5 296
	Jurassic	111	135	81	108	15	9	12	36
	Mississippian	1 464	31	30	146	46	44	214	304
	Leduc	155	110	84	123	17	13	19	49
	Subtotal					1 744	1 193	3 490	6 427
Carrot Creek	Cardium	408	56	39	78	23	16	32	71
	Mannville	1 932	119	85	89	229	164	172	565
	Jurassic	1 595	151	85	97	241	136	155	532
	Subtotal					493	316	359	1 168

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Carson Creek	Beaverhill Lake[a]	3 361	—	—	—	116	207	1 119	1 442
	Subtotal					116	207	1 119	1 442
Carstairs	Viking	201	75	35	45	15	7	9	31
	Mannville	510	188	96	104	96	49	53	198
	Mississippian	267	742	554	914	198	148	244	590
	Subtotal					309	204	306	819
Clive	Viking	259	85	50	77	22	13	20	55
	Mannville	916	134	72	156	123	66	143	332
	Winterburn	650	183	131	112	119	85	73	277
	Leduc	884	195	152	275	172	134	243	549
	Subtotal					436	298	479	1 213
Cranberry	Beaverhill Lake	8 638	56	58	283	483	500	2 441	3 424
	Elk Point	560	—	—	75	—	—	42	42
	Subtotal					483	500	2 483	3 466
Crossfield	Viking	73	110	55	96	8	4	7	19
	Mannville	1 061	91	59	129	97	63	137	297
	Mississippian[a]	10 340	—	—	—	839	672	1 390	2 901
	Wabamun	3 213	7	6	19	22	20	62	104
	Subtotal					966	759	1 596	3 321
Dunvegan	Triassic	184	54	33	60	10	6	11	27
	Mississippian	14 138	—	—	63	—	—	893	893
	Subtotal					10	6	904	920
Edson	Cardium	1 289	103	60	135	133	77	174	384
	2nd White Specks	177	147	73	130	26	13	23	62
	Viking	2 315	26	12	83	60	27	191	278
	Mannville	3 229	73	37	107	235	120	347	702
	Jurassic	484	114	48	31	55	23	15	93
	Mississippian	7 617	—	—	45	—	—	346	346
	Subtotal					509	260	1 096	1 865

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Elmworth	Cadotte	2 704	62	24	18	167	64	49	280
	Cardium	245	122	61	69	30	15	17	62
	Mannville	25 054	69	24	35	1 736	613	869	3 218
	Jurassic	1 262	3	2	37	4	2	47	53
	Triassic	1 048	11	7	49	12	7	51	70
	Subtotal					1 949	701	1 033	3 683
Ferrier	Belly River	223	184	76	27	41	17	6	64
	Cardium	5 902	162	96	175	958	565	1 032	2 555
	Viking	309	113	61	104	35	19	32	86
	Mannville	2 296	51	28	114	118	64	262	444
	Jurassic	171	129	64	70	22	11	12	45
	Mississippian	1 359	3	1	164	4	2	223	229
	Subtotal					1 178	678	1 567	3 423
Fir	Cardium	98	122	61	71	12	6	7	25
	Dunvegan	650	131	63	142	85	41	92	218
	Mannville	2 040	19	9	180	39	19	368	426
	Jurassic	719	—	—	352	—	—	253	253
	Triassic	5 666	8	7	25	47	40	142	229
	Mississippian	163	—	—	43	—	—	7	7
	Subtotal					183	106	869	1 158
Garrington	Cardium	264	114	95	258	30	25	68	123
	Viking	1 394	98	72	64	137	100	89	326
	Mannville	5 522	134	80	144	738	441	794	1 973
	Jurassic	593	62	39	179	37	23	106	166
	Mississippian	2 006	92	57	116	185	114	232	531
	Wabamun	1 641	151	102	155	248	167	254	669
	Leduc	505	97	77	87	49	39	44	132
	Subtotal					1 424	909	1 587	3 920
Ghost Pine	Viking	119	8	8	50	1	1	6	8
	Mannville	5 928	47	36	58	281	212	344	837
	Mississippian	590	64	44	56	38	26	33	97
	Subtotal					320	239	383	942

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Gilby	Cardium	440	—	—	434	—	—	191	191
	Mannville	5 813	85	59	81	494	344	468	1 306
	Jurassic	3 610	65	47	74	234	171	266	671
	Mississippian	2 028	101	56	98	204	113	198	515
	Wabamun	52	135	58	58	7	3	3	13
	Subtotal					939	631	1 126	2 696
Gold Creek	Upper Cretaceous	66	76	30	45	5	2	3	10
	Mannville	1 149	98	45	76	113	52	87	252
	Triassic	91	55	33	66	5	3	6	14
	Wabamun	2 322	—	—	398	—	—	923	923
	Subtotal					123	57	1 019	1 199
Harmattan East	Viking	213	113	75	56	24	16	12	52
	Mannville	356	118	90	225	42	32	80	154
	Mississippian[a]	18 226	—	—	—	245	164	479	888
	Subtotal					311	212	571	1 094
Harmattan-Elkton	Cardium	53	—	—	75	—	—	4	4
	Mannville	64	109	63	94	7	4	6	17
	Mississippian[a]	19 701	—	—	—	638	529	1 496	2 663
	Subtotal					645	533	1 506	2 684
Hussar	Viking	1 084	5	3	14	5	3	15	23
	Basal Colorado	237	8	8	13	2	2	3	7
	Mannville	8 713	74	54	58	648	470	502	1 620
	Mississippian	54	93	56	37	5	3	2	10
	Subtotal					660	478	522	1 660
Judy Creek	Viking	359	22	17	70	8	6	25	39
	Beaverhill Lake	2 204	347	192	192	765	424	423	1 612
	Subtotal					773	430	448	1 651
Jumping Pound West	Mississippian	32 596	31	29	87	1 008	946	2 849	4 803
	Subtotal					1 008	946	2 849	4 803

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Karr	Upper Cretaceous	462	—	—	50	—	—	23	23
	Mannville	10 193	52	54	171	531	552	1 742	2 825
	Jurassic	52	—	—	96	—	—	5	5
	Subtotal					531	552	1 770	2 853
Kaybob	Viking	284	74	35	49	21	10	14	45
	Mannville	6 969	63	34	44	442	238	307	987
	Wabamun	18	111	111	111	2	2	2	6
	Beaverhill Lake[a]	2 619	—	—	—	711	480	685	1 876
	Subtotal					1 176	730	1 008	2 914
Kaybob South	Viking	321	72	34	34	23	11	11	45
	Mannville	6 933	12	5	58	84	36	401	521
	Jurassic	176	—	—	85	—	—	15	15
	Triassic	2 048	112	63	78	229	128	159	516
	Winterburn	849	94	68	121	80	58	103	241
	Beaverhill Lake[a]	24 502	—	—	—	954	1 870	6 408	9 232
	Subtotal					1 370	2 103	7 097	10 570
Leduc-Woodbend	Cardium	186	59	32	16	11	6	3	20
	Viking	240	—	—	33	—	—	8	8
	Mannville	4 357	100	50	51	435	216	224	875
	Wabamun	614	111	60	68	68	37	42	147
	Winterburn	456	274	149	259	125	68	118	311
	Leduc	8 483	98	102	52	831	865	441	2 137
	Subtotal					1 470	1 192	836	3 498
Leedale	Belly River	32	125	94	469	4	3	15	22
	Mannville	1 783	135	71	99	240	126	176	542
	Jurassic	184	141	76	103	26	14	19	59
	Mississippian	1 733	110	65	143	190	113	248	551
	Subtotal					460	256	458	1 174

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Medicine River	Viking	206	180	160	92	37	33	19	89
	Mannville	6 629	108	71	81	714	471	538	1 723
	Jurassic	1 395	52	43	59	73	60	83	216
	Mississippian	3 684	102	64	48	377	234	178	789
	Leduc	154	84	58	65	13	9	10	32
	Subtotal					1 214	807	828	2 849
Minnehik-Buck Lake	Belly River	412	126	39	70	52	16	29	97
	Cardium	331	248	82	103	82	27	34	143
	Mannville	763	64	31	63	49	24	48	121
	Jurassic	296	78	34	47	23	10	14	47
	Mississippian	5 475	10	5	77	57	29	424	510
	Subtotal					263	106	549	918
Mitsue	Gilwood	2 485	482	296	152	1 198	736	378	2 312
	Subtotal					1 198	736	378	2 312
Moose	Mississippian	2 776	67	53	187	187	146	518	851
	Subtotal					187	146	518	851
Niton	Mannville	7 451	41	32	130	305	235	968	1 508
	Jurassic	390	85	46	74	33	18	29	80
	Subtotal					338	253	997	1 588
Paddle River	Mannville	180	111	78	172	20	14	31	65
	Jurassic	4 925	165	74	55	813	366	270	1 449
	Mississippian	892	107	57	89	95	51	79	225
	Subtotal					928	431	380	1 739
Peco	Cardium	67	104	60	104	7	4	7	18
	Viking	232	108	60	103	25	14	24	63
	Mannville	2 612	71	43	262	185	113	685	983
	Jurassic	1 696	142	70	222	241	119	376	736
	Winterburn	118	17	34	559	2	4	66	72
	Subtotal					460	254	1 158	1 872

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Pembina	Belly River	4 022	40	34	83	159	135	332	626
	Cardium	11 076	230	98	74	2 547	1 087	819	4 453
	Viking	294	126	68	51	37	20	15	72
	Mannville	8 159	62	33	84	509	267	682	1 458
	Jurassic	1 176	94	48	71	110	56	84	250
	Mississippian	1 261	116	60	74	146	76	93	315
	Winterburn	3 043	290	157	123	882	478	374	1 734
	Subtotal					4 390	2 119	2 399	8 908
Progress	Triassic	3 944	52	30	150	205	118	592	915
	Subtotal					205	118	592	915
Quirk Creek	Mississippian	3 327	93	66	123	310	221	410	941
	Subtotal					310	221	410	941
Rainbow	Mannville	3 503	9	5	7	30	19	26	75
	Slave Point	784	114	69	73	89	54	57	200
	Sulphur Point	1 213	125	73	80	152	88	97	337
	Muskeg	722	309	152	93	223	110	67	400
	Keg River	9 347	334	186	195	3 123	1 738	1 823	6 684
	Subtotal					3 617	2 009	2 070	7 696
Rainbow South	Sulphur Point	725	34	25	68	25	18	49	92
	Muskeg	434	32	21	85	14	9	37	60
	Keg River	1 664	194	111	213	322	184	355	861
	Subtotal					361	211	441	1 013
Ricinus	Cardium[a]	13 012	—	—	—	1 348	754	1 736	3 838
	Viking	3 918	5	4	100	20	14	392	426
	Winterburn	250	20	16	32	5	4	8	17
	Leduc	2 592	—	—	2	—	—	6	6
	Subtotal					1 373	772	2 142	4 287

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Sinclair	Upper Cretaceous	2 291	54	22	52	124	51	120	295
	Mannville	6 524	26	11	22	172	74	142	388
	Jurassic	505	125	57	93	63	29	47	139
	Subtotal					359	154	309	822
Strachan	Cardium	115	165	87	78	19	10	9	38
	Mannville	2 400	50	22	79	119	53	190	362
	Jurassic	59	102	51	34	6	3	2	11
	Leduc	6 242	45	41	193	280	259	1 207	1 746
	Subtotal					424	325	1 408	2 157
Swan Hills	Beaverhill Lake	1 490	694	425	232	1 034	633	346	2 013
	Subtotal					1 034	633	346	2 013
Swan Hills South	Beaverhill Lake	2 345	691	457	293	1 620	1 072	687	3 379
	Subtotal					1 620	1 072	687	3 379
Sylvan Lake	Viking	354	121	68	96	43	24	34	101
	Mannville	7 104	115	65	89	814	460	635	1 909
	Jurassic	1 962	119	65	94	234	128	184	546
	Mississippian	3 444	108	61	94	371	210	323	904
	Leduc	769	112	94	225	86	72	173	331
	Subtotal					1 548	894	1 349	3 791
Twining	Viking	667	30	13	54	20	9	36	65
	Mannville	833	55	41	59	46	34	49	129
	Mississippian	5 473	34	37	79	185	201	432	818
	Subtotal					251	244	517	1 012
Valhalla	Doe Creek	3 019	11	5	24	32	16	72	120
	Mannville	1 454	45	20	32	65	29	47	141
	Jurassic	60	150	83	117	9	5	7	21
	Triassic[a]	5 461	—	—	—	966	624	1 503	3 093
	Subtotal					1 072	674	1 629	3 375

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Waterton	Mannville	274	84	40	58	23	11	16	50
	Mississippian	19 867	50	57	208	994	1 125	4 132	6 251
	Subtotal					1 017	1 136	4 148	6 301
Wembley	Triassic[a]	6 932	—	—	—	1 108	651	1 597	3 356
	Subtotal					1 108	651	1 597	3 356
Westerose	Mannville	2 909	133	68	105	387	197	306	890
	Winterburn	77	104	78	117	8	6	9	23
	Leduc	3 707	236	146	164	876	541	607	2 024
	Subtotal					1 271	744	922	2 937
Westerose South	Mannville	14 151	154	79	104	2 176	1 115	1 477	4 768
	Mississippian	247	138	65	73	34	16	18	68
	Wabamun	313	—	—	35	—	—	11	11
	Leduc	654	157	110	266	103	72	174	349
	Subtotal					2 313	1 203	1 680	5 196
Westpem	Mannville	793	113	64	95	90	51	75	216
	Jurassic	157	127	76	108	20	12	17	49
	Winterburn[a]	1 895	—	—	—	223	235	596	1 054
	Subtotal					333	298	688	1 319
Willesden Green	Belly River	1 841	126	75	67	232	138	123	493
	Cardium	3 469	100	73	113	347	254	393	994
	Viking	913	101	82	126	92	75	115	282
	Mannville	7 274	151	88	189	1 096	642	1 377	3 115
	Jurassic	807	257	182	123	207	147	99	453
	Mississippian	301	96	56	90	29	17	27	73
	Subtotal					2 003	1 273	2 134	5 410

TABLE 6-1 (continued)

Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
	1	2	3	4	5	6	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Windfall	Viking	400	—	—	48	—	—	19	19
	Mannville	622	47	21	39	29	13	24	66
	Mississippian	520	25	13	54	13	7	28	48
	Winterburn	690	—	—	277	—	—	191	191
	Leduc[a]	8 784	—	—	—	41	50	776	867
	Beaverhill Lake	11	545	273	182	6	3	2	11
	Subtotal					89	73	1 040	1 202
Wizard Lake	Mannville	276	94	54	51	26	15	14	55
	Winterburn	18	278	167	111	5	3	2	10
	Leduc	7 190	346	199	60	2 488	1 431	431	4 350
	Subtotal					2 519	1 449	447	4 415
Zama	Beaverhill Lake	1 325	10	7	46	13	9	61	83
	Sulphur Point	3 749	86	56	80	324	211	301	836
	Muskeg	146	116	75	89	17	11	13	41
	Keg River	622	154	93	100	96	58	62	216
	Subtotal					450	289	437	1 176
Subtotal						56 158	36 999	80 960	174 117
Reserves Beyond Economic Reach						1 084	653	1 937	3 674
Confidential Reserves						343	192	495	1 030
Other Small Reserves						15 536	9 661	27 725	52 922
Small Gas Pool Reduction[b]						–394	–244	–700	–1 338
Subtotal						72 727	47 261	110 417	230 405
Recoverable at Reprocessing Plants						49 450	19 880	8 300	77 630
Recoverable from Solvent Floods						3 430	2 280	1 280	6 990
Total Reserves						125 607	69 421	119 997	315 025
						(791.3)[c]	(437.1)[c]	(755.1)[c]	(1 983.5)[c]

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[a] Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included due to those parameters changing with time.

[b] See section 4.2 Small Gas Pool Reserves.

[c] Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of elemental sulphur in the province as at 31 December 1986 to be some 89 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves from Natural Gas 10^6 t	Established Sulphur Reserves from Crude Bitumen[a] 10^6 t	Total Established Sulphur Reserves 10^6 t
Remaining at 31 December 1985	76.8	8.2	85.0
Additions during 1986	2.0	7.3	9.3
Production during 1986	4.9	0.4	5.3
Remaining at 31 December 1986	73.9 (72.7)[b]	15.1 (14.9)[b]	89.0 (87.6)[b]
Cumulative net production to 31 December 1986	114.1	3.3	117.4
Initial established reserves at 31 December 1986	188.0 (185.0)[b]	18.4 (18.1)[b]	206.4 (203.1)[b]

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[a] Recoverable reserves of elemental sulphur under active development at Suncor and Syncrude plants.

[b] Imperial equivalent in millions of long tons.

7.2 SULPHUR FROM NATURAL GAS

Of the cumulative net production of 114.1 million tonnes at year-end 1986, some 8.0 million were stockpiled at various gas plants in the province. Over the years, stockpiling reflected a lack of markets for a portion of the production, and in part, a shortage of slating, loading, and transportation facilities and limited ocean-terminal storage capacity. However, with recently improved sulphur markets, producers have reduced their stockpiles to meet the increase in demand. Consequently, the sulphur stockpiled at year-end 1986 was some 1.3 million tonnes less than at year-end 1985.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide (H_2S) content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines published in the Board's Informational Letter IL 80-24. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and, because the H_2S content in the gas changes with time, only the remaining reserves are reported.

Of the 73.9 million tonnes of remaining sulphur recoverable from gas, some 59.7 million are in currently producing pools and the remaining 14.2 million are in unconnected pools. The unconnected reserves include some 5.1 million tonnes in pools considered beyond economic reach. None of the 1986 confidential gas reserves contain significant reserves of sulphur.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under "Small Reserves". The remaining established reserves have decreased from last year as a result of production and re-evaluation of reserves in several pools. A significant increase in sulphur reserves of the Brazeau River Field occurred as a result of re-evaluation of gas cycling in pools within the Nisku Formation.

A reduction in sulphur reserves of the Waterton, Kaybob South, and Crossfield East fields occurred primarily due to production.

7.3 SULPHUR FROM CRUDE BITUMEN

Crude bitumen in oil sands deposits contains significant amounts of sulphur. During the conversion of crude bitumen into synthetic crude oil, approximately 76 per cent of the sulphur contained in the crude bitumen is either recovered in the form of elemental sulphur or remains in products including coke.

It is currently estimated that some 150 million tonnes of elemental sulphur will be recoverable from the 5.3 billion cubic metres of remaining established crude bitumen reserves in the surface mineable area. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 28.6 tonnes per thousand cubic metres of crude bitumen. This ratio was based on recent experience at existing bitumen synthetic-crude-oil plants. Earlier Board estimates of the sulphur recoverable from bitumen included both the sulphur in coke and that recoverable as elemental sulphur. The above estimate includes only the elemental sulphur expected to be produced in recovering the synthetic crude oil.

7.4 SULPHUR FROM CRUDE BITUMEN RESERVES UNDER ACTIVE DEVELOPMENT

Only a portion of the surface-mineable established reserves of crude bitumen are under active development at the approved Suncor and Syncrude projects. The initial established reserves of elemental sulphur for the Suncor and Syncrude plants are 18.4 million tonnes, of which 3.3 million tonnes have been produced leaving a remaining established reserve of elemental sulphur of 15.1 million tonnes. During 1986, 424 301 tonnes of sulphur were recovered at bitumen synthetic-crude-oil plants.

The addition of 7.3 million tonnes of sulphur during 1986 occurred as a result of the addition of substantial mineable crude bitumen reserves within the Suncor and Syncrude project areas as discussed in more detail in Chapter 3 of this report. The changes in established sulphur reserves during 1986 are summarized in section 7.1.

TABLE 7-1 REMAINING ESTABLISHED RESERVES OF SULPHUR
As at 31 December 1986

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10⁶ m³	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10³ tonnes
Blackstone	Beaverhill Lake	14 067	0.107	99	2 024
	Subtotal				2 024
Brazeau River	Mississippian	14 976	0.010	93	192
	Nisku[c]	—	—	—	2 282
	Subtotal				2 474
Burnt Timber	Mississippian	8 480	0.081	97	900
	Wabamun	2 464	0.304	97	985
	Subtotal				1 885
Caroline	Mannville	1 720	0.056	95	123
	Nisku	186	0.518	95	124
	Leduc[b]	2 302	0.826	98	2 527
	Subtotal				2 774
Coleman	Mississippian	2 108	0.280	96	767
	Wabamun	1 531	0.279	96	557
	Subtotal				1 324
Crossfield	Mannville	484	0.006	99	4
	Mississippian	11 526	0.007	99	104
	Wabamun	6 694	0.317	99	2 852
	Subtotal				2 960
Crossfield East	Mississippian	6	0.259	95	2
	Wabamun	7 758	0.357	99	3 714
	Subtotal				3 716
Hanlan	Nisku	604	0.051	99	41
	Beaverhill Lake	28 337	0.091	99	3 452
	Subtotal				3 493
Jumping Pound West	Mississippian	40 551	0.065	97	3 490
	Subtotal				3 490

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Kaybob South	Mannville	12	0.129	95	2
	Triassic	1 555	0.004	98	8
	Nisku	566	0.202	95	147
	Beaverhill Lake[c]	—	—	—	3 799
	Subtotal				3 956
Limestone	Mississippian	8 953	0.051	99	618
	Wabamun	2 274	0.192	99	587
	Nisku	484	0.140	99	91
	Leduc1	527	0.177	99	363
	Subtotal				1 659
Moose	Mississippian	3 470	0.112	97	509
	Wabamun	1 309	0.311	96	530
	Subtotal				1 039
Obed	Nisku	2 858	0.241	98	917
	Leduc	1 357	0.313	98	565
	Subtotal				1 482
Okotoks	Mississippian	280	0.014	96	5
	Wabamun	8 503	0.347	99	3 956
	Subtotal				3 961
Panther River	Mississippian	3 563	0.073	96	337
	Wabamun[b]	920	0.692	98	846
	Nisku[b]	475	0.705	98	445
	Subtotal				1 628
Pine Creek	Jurassic	3 122	0.001	96	6
	Mississippian	317	0.024	96	10
	Wabamun	2 577	0.286	99	990
	Leduc	1 909	0.247	99	633
	Subtotal				1 639
Ricinus	Nisku	600	0.197	95	152
	Leduc	4 467	0.307	99	1 842
	Subtotal				1 994

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Ricinus West	Leduc	9 907	0.332	99	4 415
	Subtotal				4 415
Strachan	Leduc	8 249	0.102	99	1 125
	Subtotal				1 125
Waterton	Mississippian	15 164	0.242	99	4 918
	Wabamun	1 844	0.137	96	330
	Rundle-Wabamun[c]	—	—	—	4 410
	Subtotal				9 658
Windfall	Mannville	249	0.015	99	5
	Mississippian	187	0.056	99	14
	Nisku	313	0.139	95	56
	Leduc[c]	—	—	99	2 139
	Subtotal				2 214
Subtotal					58 910
Other Reserves					15 248
Small Gas Pool Reduction[d]					−267
Total Reserves					73 891
					(72 724)[e]

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[a] Volume-weighted average.

[b] Currently considered beyond economic reach.

[c] Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H_2S content is not included due to gas composition changing with time.

[d] See section 4.2 Small Gas Pool Reserves.

[e] Imperial equivalent in thousands of long tons.

8 ULTIMATE POTENTIAL

In 1979, the Board held a hearing to review the ultimate potential of Alberta's natural gas and, in 1980, that of Alberta's crude oil and equivalent. Its findings on gas were summarized in ERCB Report 79-G[1] and on crude oil in ERCB Report 81-B[2].

During 1985 the Board issued ERCB Report 85-A[3] which provided a forecast of Alberta oil supply from all sources for the years 1985 to 2010. This forecast comprised an update to the detailed forecast presented in ERCB Report 81-B and in ERCB Report 83-E[4]. The following sections abstract from these reports. The values for ultimate potential for all resources are approximate.

8.1 CONVENTIONAL CRUDE OIL

The ultimate potential of crude oil and equivalent, estimated on the basis of industry submissions as well as the Board's own studies, was presented in Report 85-A and is the basis for the following discussion.

8.1.1 Ultimate Potential

The Board concluded in Report 85-A that reserves growth from new discoveries/additions would add some 230 million cubic metres to the existing light-medium established reserves and some 31 million cubic metres to the existing conventional heavy established reserves. It further forecast that an additional 255 million and 75 million cubic metres of light-medium and conventional heavy crude oil, respectively, would be recovered by application of tertiary recovery schemes in the future. When these predicted future additions were added to the initial established reserves at year-end 1984, the resulting ultimate potential from all conventional crude oil sources was some 2650 million cubic metres. This confirms the Board's opinion that the conventional oil ultimate potential for Alberta lies somewhere between 2400 and 2700 million cubic metres.

The current relationship between the initial and remaining ultimate potential of conventional crude oil, based on the above estimates, is illustrated below:

	10^6 m^3
Ultimate Potential	2 650
Cumulative Production to Year-end 1986	1 528
Ultimate Potential Remaining	1 122

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[1] Energy Resources Conservation Board, December 1979. Ultimate Potential for Gas in Alberta. ERCB Report 79-G.

[2] ______________________________, January 1981. Estimates of Ultimate Potential and Forecasts of Attainable Productive Capacity of Alberta's Crude Oil and Equivalent. ERCB Report 81-B.

[3] ______________________________, 1985. Alberta Oil Supply, 1985-2010. ERCB Report 85-A.

[4] ______________________________, 1983. Alberta Oil Supply, 1983-2007. ERCB Report 83-E.

TABLE 8-1 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

As of Each Year-end
millions of cubic metres

Year	1 Initial Established	2	3 Production	4	5 Remaining Established[a]
	Addition	Cumulative[a]	Annual	Cumulative[a]	
1951	44.5	219.3	7.3	29.4	189.9
1952	62.5	281.7	9.3	38.8	243.0
1953	66.6	348.3	12.2	51.0	297.3
1954	55.6	403.9	13.9	65.0	339.0
1955	68.2	472.1	17.9	82.8	389.3
1956	82.0	554.1	22.8	105.7	448.4
1957	39.9	594.0	21.7	127.4	466.6
1958	1.4	595.4	17.9	145.2	450.2
1959	67.5	663.0	20.5	165.7	497.2
1960	48.6	711.6	20.7	186.6	525.0
1961	57.5	769.1	25.1	211.5	557.6
1962	44.0	813.5	26.2	237.9	575.6
1963	56.6	870.0	26.8	264.6	605.4
1964	348.5	1 218.5	27.9	292.4	926.1
1965	68.8	1 287.3	29.2	321.6	965.7
1966	140.8	1 428.1	32.2	353.9	1 074.2
1967	95.2	1 523.3	36.6	390.4	1 132.9
1968	119.8	1 643.1	39.8	430.3	1 212.8
1969	54.5	1 697.6	44.4	474.7	1 222.8
1970	36.7	1 734.3	51.7	526.5	1 207.9
1971	22.1	1 756.4	56.4	582.9	1 173.6
1972	20.0	1 776.5	67.4	650.0	1 126.0
1973	9.2	1 785.7	83.3	733.7	1 052.0
1974	38.5	1 824.1	79.0	812.7	1 011.5
1975	7.0	1 831.1	67.5	880.2	950.9
1976	–18.6	1 812.5	61.0	941.2	871.3
1977	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.4	1 856.0	60.0	1 061.6	794.5
1979	34.3	1 890.3	68.5	1 130.1	760.2
1980	22.7	1 913.2	63.2	1 193.3	719.9
1981	32.6	1 945.8	56.5	1 249.8	696.0
1982	6.9	1 952.7	53.6	1 303.4	649.4
1983	64.1	2 016.8	55.6	1 359.0	657.8
1984	42.0	2 058.8	59.2	1 418.2	640.7
1985	64.0	2 122.8	56.2	1 474.5	648.5
1986	39.1	2 162.0	53.2	1 527.7	634.7
		(13.6)[b]			(4.0)[b]

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in billions of stock-tank barrels.

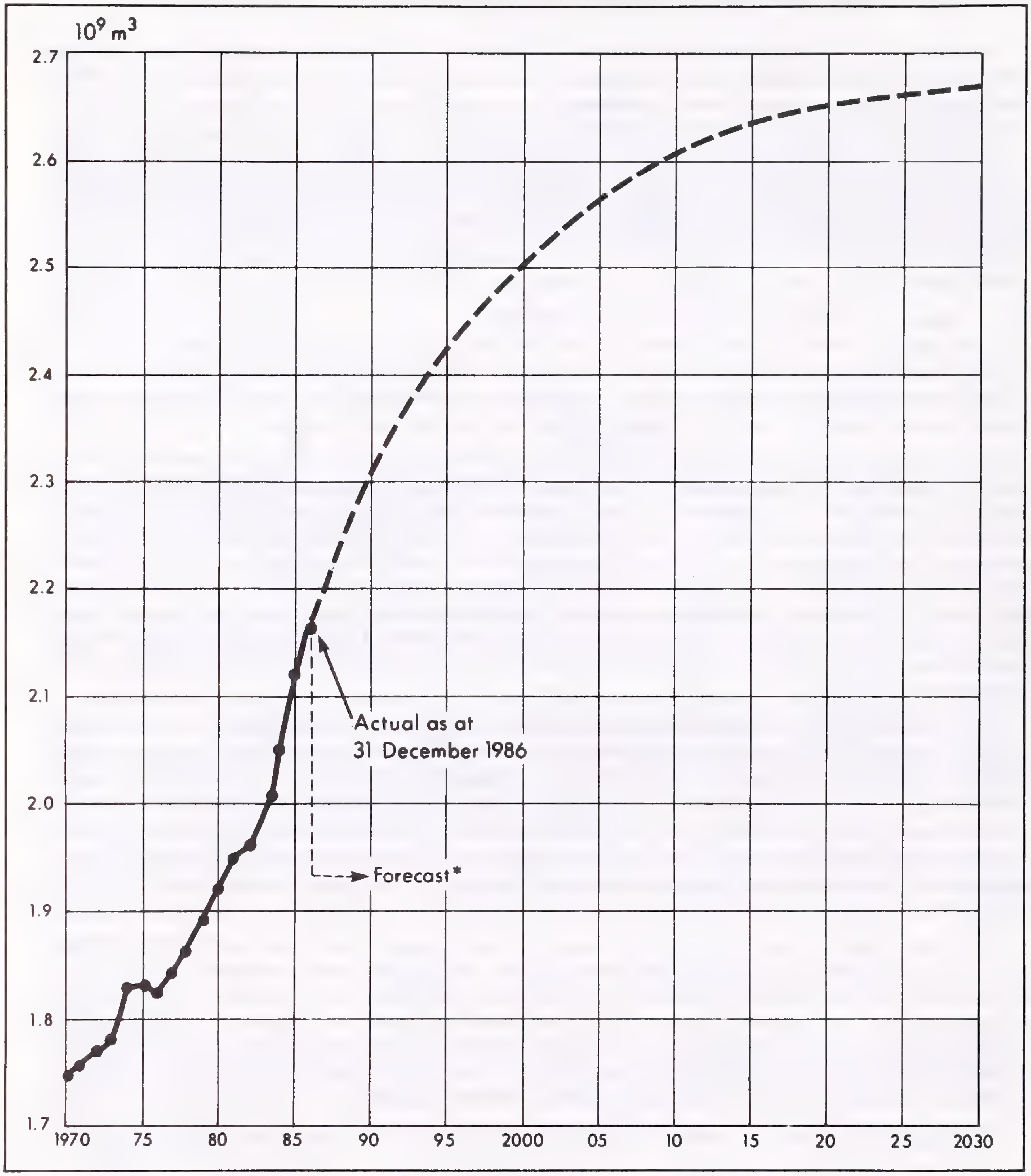

FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

*SOURCE: ERCB Report 85-A

8.1.2 Trend in Annual Additions of Conventional Initial Established Reserves

Net annual additions to Alberta's initial established crude oil reserves averaged 55.5 million cubic metres from 1951 to 1986, falling to 35.0 million from 1977 to 1986. However, the net additions have averaged some 48.4 million cubic metres for the past 3 years (Table 8-1, column 1).

The forecast of additions from all sources is shown in Figure 8-1. In Report 85-A, the Board forecast that additions to initial established reserves of conventional crude oil would peak at some 53 million cubic metres annually in the short term augmented substantially by tertiary recovery programs, and then decline gradually as fewer new pools are found and fewer tertiary projects are undertaken. Additions were predicted to average 22.7 million annually over the forecast period.

8.2 CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 27 billion in deposits that may eventually be amenable to surface mining, and about 373 billion in deeper deposits that will require the use of in situ recovery or underground mining techniques.

Although drilling and log analyses have indicated the potential ultimate volume of crude bitumen in place to be some 400 billion cubic metres, knowledge of quality variations and those effects on recovery potential are still very limited. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Paleozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future.

The analysis suggested the ultimate potential of crude bitumen from Cretaceous sediments by in situ recovery methods to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 10 billion cubic metres are expected from within the surface mineable boundary and represent the initial mineable volume in place after accounting for losses in mining and extraction and quantities inaccessible in environmental buffer zone areas. For current projects, it is also assumed that tailing ponds and discard sites will either be located on non-mineable areas or will be removed from the mineable areas in order to recover underlying economic mineable ore. The total initial ultimate potential amount of crude bitumen recoverable is therefore about 49 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used and will depend upon the extent to which other non-bitumen energy sources are used in recovery and processing operations. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 0.85 by volume will be achieved. On this basis, the ultimate potential amount of synthetic crude oil recoverable is estimated at 41.5 billion cubic metres with 8.5 billion attributable to surface mining and 33 billion to the in situ areas. External energy sources such as coal and natural gas are assumed to satisfy part of the energy requirements for fuel and upgrading.

The relationship between the initial and remaining ultimate potential of crude bitumen is illustrated below:

	10^6 m^3
Ultimate Potential	49 000
Cumulative Production to Year-end 1986	137
Ultimate Potential Remaining	48 863

8.3 MARKETABLE GAS

8.3.1 Ultimate Potential

The Board concluded in ERCB Report 79-G that the ultimate potential of marketable gas is in the range of 3700 to 3900 billion cubic metres at 37.4 MJ/m³. In 1985, the Board arbitrarily increased its estimate to 4200 billion cubic metres because its on-going reserve evaluations indicated that the previous estimate was too low. As discussed in section 4.2, the Board has since commenced a study of reserves in small, primarily single well, producing pools and has concluded that its current assigned reserve estimates are too high for most of those pools. A reduction of 40.6 billion cubic metres was made in 1986 to some 2700 of the 4300 pools in this category. Because the study of small gas pool reserves is not complete, the Board has not changed its estimate of ultimate reserves but expects that some amendments to its current estimate of 4200 billion cubic metres might be required. Therefore, the current estimate should be used with caution.

The relationship between the ultimate potential of marketable gas and the portion remaining to be recovered is illustrated below:

	10^9 m³ at 37.4 MJ/m³
Ultimate Potential of Marketable Gas	4 200
Cumulative Production to Year-end 1986	1 360
Ultimate Potential Remaining	2 840

8.3.2 Trend in Annual Additions

Annual additions to established gas reserves averaged 80.6 billion cubic metres during the period 1951 to 1986 (Table 8-2, column 1). Subsequent to the 1973 "energy crisis", annual additions increased to an average of 112.8 billion cubic metres over the period 1974 to 1982. However, since then the additions have declined to some 40 billion cubic metres per year because of the oversupply of gas in Alberta's market areas. As well, it should be noted that a substantial decrease in additions for 1986 was the result of downward adjustments to the Board's estimate of reserves for small gas pools, as discussed more fully in sections 4.2 and 8.3.1.

Although a large decrease in additions occurred in 1986, the Board forecasts that the growth rate will increase to about 58 billion cubic metres per year in the early 1990s, continue at that rate until the mid 1990s, and then gradually decline as opportunities for new discoveries diminish. The resulting forecast of gas-reserves growth is shown in Figure 8-2.

8.4 ETHANE

The Board has estimated the weighted average ethane content of the established reserves of marketable gas to be some 0.05 mole/mole and has applied this proportion to the 4040 billion cubic metres ultimate potential of marketable gas (as is basis).

TABLE 8-2 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS

As of Each Year-end

billions of cubic metres

	1	2	3	4	5	6
Year	**Initial Established**		**Production**		**Remaining Established**[a]	
	Additions	Cumulative[a]	Annual	Cumulative[a]	Actual[a]	37.4 MJ/m^3
1951	61.2	205.5	1.6	19.4	186.1	*
1952	87.8	293.4	1.8	21.2	272.1	*
1953	76.1	369.5	2.0	23.3	346.2	*
1954	58.8	428.3	2.5	25.8	402.5	*
1955	59.3	487.6	3.0	28.8	458.8	*
1956	64.5	552.2	3.2	32.0	520.1	*
1957	64.9	617.1	3.8	35.8	581.7	*
1958	110.4	727.5	5.3	41.1	686.4	721.2
1959	88.5	816.0	7.1	48.2	767.8	809.8
1960	119.9	935.9	9.1	57.4	878.6	926.8
1961	13.3	949.2	11.9	69.3	879.9	930.5
1962	49.7	998.9	17.6	86.9	912.1	964.2
1963	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	40.6	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	134.6	1 459.5	30.0	235.8	1 223.6	1 289.0
1969	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	45.4	1 638.6	48.5	362.3	1 276.3	1 346.9
1972	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	183.3	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	92.4	2 647.1	63.8	900.2	1 747.0	1 812.1
1981	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
1985	42.6	3 004.9	72.8	1 236.7	1 768.3	1 840.0
1986	21.8	3 026.7	69.9	1 306.6	1 720.1	1 790.3
		(107.4)[b]			(61.1)[b]	(63.5)[b]

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in trillions of cubic feet.

* Not available.

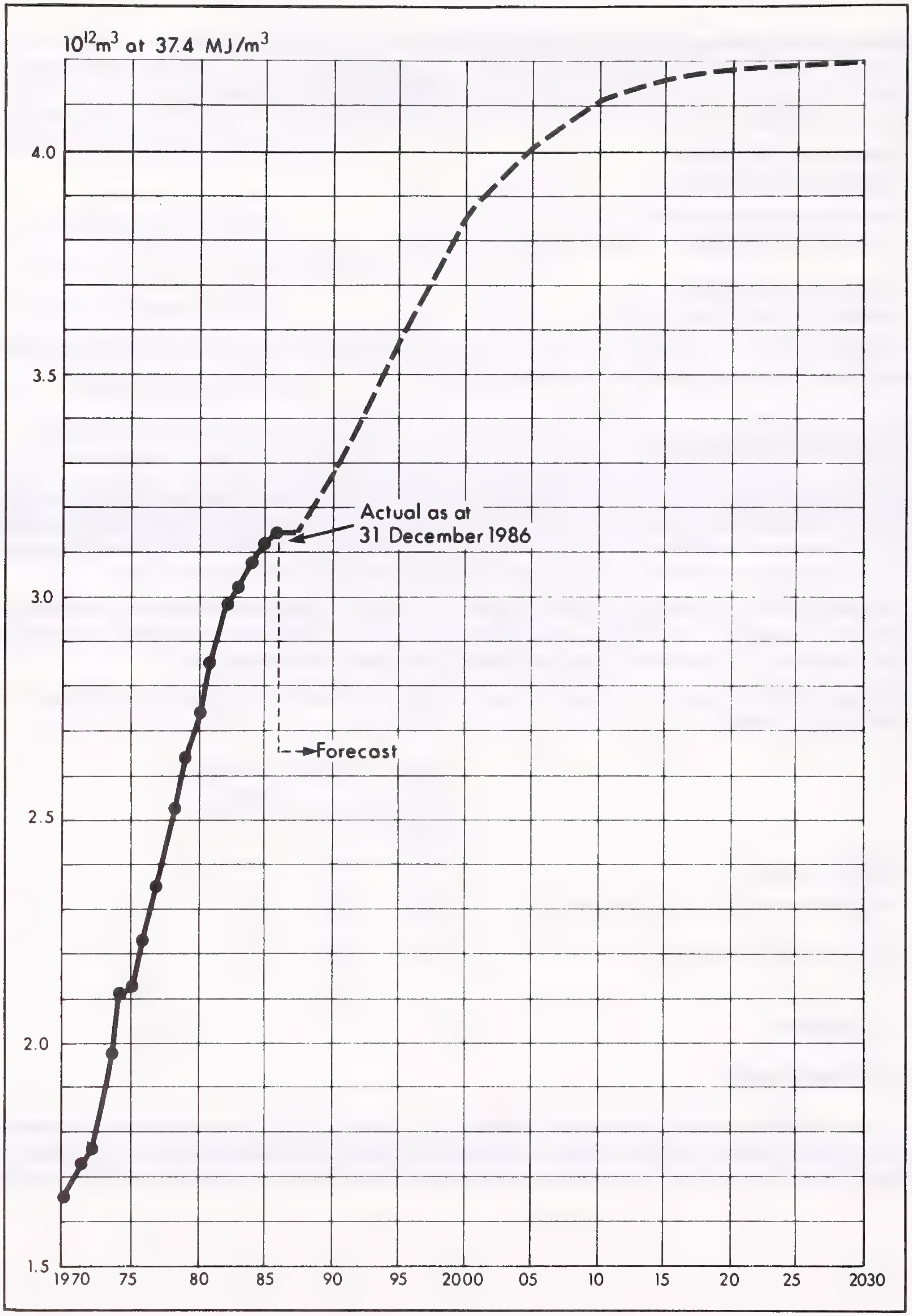

FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

The ethane content in marketable gas is tabulated below:

	Volume of Ethane
	10^6 m^3 (liquid)
Ethane Content in Ultimate Potential of Marketable Gas	720
Ethane Content in Cumulative Marketable Gas Production to Year-end 1986	230
Ethane Content in Remaining Ultimate Potential of Marketable Gas	490

The Board estimates that about 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 NATURAL GAS LIQUIDS

The Board's estimates of the ultimate potential for propane and butanes were derived by applying the ratios of 70 and 40 cubic metres (liquid) per million cubic metres of marketable gas, respectively, to the Board's estimate of marketable gas yet to be established. These ratios were determined by dividing the initial established reserves of propane and butanes by the initial established reserves of marketable gas as at 31 December 1986.

The Board reviewed the ultimate potential of pentanes plus in 1980 and discussed its estimate in ERCB Report 81-B. Based on that report, the Board has estimated that the ratio of recoverable pentanes plus in gas yet to be established would be 65 cubic metres (liquid) per million cubic metres of marketable gas.

The relationship between the ultimate potential of natural gas liquids and the portion remaining to be recovered is shown below:

	Propane	Butanes	Pentanes Plus
	10^6 m^3		
Ultimate Potential	290	170	340
Cumulative Production to Year-end 1986	96	61	159
Ultimate Potential Remaining	194	109	181

8.6 SULPHUR

8.6.1 Sulphur from Gas

A recent study[5] completed by the Board's Chairman, G. J. DeSorcy, is the basis for the Board's estimate of ultimate potential of sulphur. The Board adopted the study's estimate of recoverable sulphur in conventional gas yet to be established (70 tonnes per million cubic metres of gas), and applied this factor to the Board's estimate of gas yet to be established. The resulting ultimate potential of sulphur from conventional gas amounted to 260 million tonnes. The study also estimated that the ultimate potential for sulphur from ultra-high H_2S pools would be in the order of 40 million tonnes. The Board's estimate of ultimate potential of sulphur from both ultra-high H_2S pools and conventional gas is 300 million tonnes. The relationship between the ultimate potential of sulphur and the portion remaining to be recovered is shown below:

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[5] DeSorcy, G. J., 1985. Sulphur Recovered from Oil and Gas in Canada. Energy Resources Conservation Board. Calgary, Alberta.

	10^6 tonnes
Ultimate Potential of Sulphur	300
Cumulative Production to Year-end 1986	114
Ultimate Potential Remaining	186

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 1800 million tonnes at year-end in 1986. This estimate was derived by applying a recovery ratio of 37.4 tonnes of sulphur per thousand cubic metres of bitumen to the 1986 year-end ultimate potential of crude bitumen of some 49 billion cubic metres. The ratio reflects the recovery expected at future plants. Less than 4 million of the 1800 million tonnes expected have been produced to the 1986 year-end.

APPENDIX OIL, CRUDE BITUMEN, AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil, crude bitumen, and marketable gas to year-end 1986.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

From 1951 to 1986 inclusive, 80 per cent of the development wells drilled in Alberta resulted in discoveries of oil or gas compared to only 41 per cent for exploratory wells[1]. A few unsuccessful development wells were completed as water disposal and service wells.

Counts of crude bitumen wells have been tabulated from 1980 onward. Two types of crude bitumen development wells are shown, "commercial" for those in commercial projects (including the Lindbergh Area), and "experimental" for those in recovery-test schemes. Experimental wells are included in the development category because they are drilled into known oil sands deposits. Experimental well counts are not available prior to 1980. Up to 1983, commercial crude bitumen wells appear in the table in the oil well count.

The majority of crude bitumen exploratory wells are oil sands evaluation wells which are required to be abandoned and cannot become producers. Also included are some exploratory wells licensed to obtain crude bitumen production. Oil sands evaluation wells also do not appear in any form in the table for the period prior to 1980.

During 1986, overall development and exploratory drilling decreased significantly over 1985 and with the exception of 1983, was at the lowest level since 1975. Since 1982, gas well drilling has lagged behind oil well drilling because of the surplus of gas supply relative to demand, and low prices.

TABLE A-2

A somewhat better measure of exploratory and development activity is the distance drilled annually in each category. Since 1966, these data have been further categorized to also show the number of metres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

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[1] For the purposes of Tables A-1 and A-2, exploratory wells include deep pool tests, new pool wildcats, and new field wildcats. Outpost wells have been included in the development well totals.

TABLE A-1 DEVELOPMENT AND EXPLORATORY WELLS
number drilled annually, 1951-1986

	1	2	3	4	5
Year	Development				
	Successful				Total[a]
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1951	691	**	*	21	777
1952	897	**	*	80	1 160
1953	838	**	*	106	1 162
1954	613	**	*	85	827
1955	1 100	**	*	68	1 281
1956	1 317	**	*	79	1 514
1957	818	**	*	73	1 020
1958	924	**	*	164	1 315
1959	834	**	*	164	1 170
1960	944	**	*	184	1 363
1961	741	**	*	231	1 188
1962	653	**	*	190	1 113
1963	803	**	*	186	1 255
1964	796	**	*	173	1 281
1965	843	**	*	155	1 366
1966	552	**	*	188	1 003
1967	506	**	*	190	953
1968	387	**	*	257	970
1969	324	**	*	311	901
1970	246	**	*	425	884
1971	269	**	*	489	1 085
1972	454	**	*	738	1 618
1973	480	**	*	961	1 970
1974	566	**	*	1 284	2 241
1975	597	**	*	1 443	2 408
1976	444	**	*	2 096	2 959
1977	530	**	*	1 941	2 813
1978	726	**	*	2 134	3 269
1979	984	**	*	2 352	3 892
1980	1 296	**	139	2 855	4 749
1981	1 107	**	173	2 173	3 833
1982	1 246	**	234	1 901	3 628
1983	1 907	**	268	836	3 189
1984	1 983	438	365	994	4 496
1985	2 343	980	270	1 694	6 288
1986	1 465	194	93	804	3 298

---

[a] Includes unsuccessful, service, and suspended wells.

[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total[a]	Successful			Total[a]
Oil	Crude Bitumen[b]	Gas		Oil	Crude Bitumen	Gas	
68	*	94	461	759	*	115	1 238
49	*	74	469	946	*	154	1 629
47	*	89	399	885	*	195	1 561
60	*	55	351	673	*	140	1 178
45	*	70	346	1 145	*	138	1 627
51	*	59	384	1 368	*	138	1 898
56	*	52	428	874	*	125	1 448
35	*	63	404	959	*	227	1 719
43	*	78	432	877	*	242	1 602
41	*	92	403	985	*	276	1 766
42	*	113	423	783	*	344	1 611
35	*	82	484	688	*	272	1 597
65	*	89	502	868	*	275	1 757
65	*	90	570	861	*	263	1 851
76	*	85	705	919	*	240	2 071
62	*	69	634	614	*	257	1 637
135	*	84	693	641	*	274	1 646
162	*	130	936	549	*	387	1 906
138	*	122	972	462	*	433	1 873
55	*	183	963	301	*	608	1 847
93	*	202	940	362	*	691	2 025
55	*	252	1 058	509	*	990	2 676
101	*	413	1 543	581	*	1 374	3 513
69	*	384	1 248	635	*	1 668	3 489
67	*	428	1 238	664	*	1 871	3 646
108	*	1 005	2 082	552	*	3 101	5 041
172	*	1 011	2 317	702	*	2 952	5 130
218	*	956	2 304	944	*	3 090	5 573
266	*	825	1 888	1 250	*	3 177	5 780
310	354	1 040	2 299	1 606	*	3 895	7 048
318	857	883	2 008	1 425	*	3 056	5 841
317	221	510	1 498	1 563	*	2 411	5 126
335	68	255	1 177	2 242	*	1 091	4 366
407	126	278	1 661	2 390	929	1 272	6 157
436	588	238	2 175	2 779	1 838	1 932	8 463
271	168	167	1 199	1 736	455	971	4 497

TABLE A-2 DEVELOPMENT AND EXPLORATORY WELLS
kilometres drilled annually, 1951-1986

	1	2	3	4	5
Year	**Development**				
	Successful				**Total[a]**
	Oil	**Crude Bitumen**		**Gas**	
		Commercial	**Experimental**		
1951	*	**	*	*	1 001
1952	*	**	*	*	1 453
1953	*	**	*	*	1 394
1954	*	**	*	*	1 176
1955	*	**	*	*	1 972
1956	*	**	*	*	2 411
1957	*	**	*	*	1 553
1958	*	**	*	*	1 842
1959	*	**	*	*	1 969
1960	*	**	*	*	2 426
1961	*	**	*	*	2 385
1962	*	**	*	*	2 032
1963	*	**	*	*	2 266
1964	*	**	*	*	2 235
1965	*	**	*	*	2 142
1966	921	**	*	79	1 567
1967	748	**	*	219	1 420
1968	539	**	*	391	1 360
1969	464	**	*	408	1 254
1970	347	**	*	448	1 107
1971	352	**	*	406	1 219
1972	636	**	*	547	1 669
1973	692	**	*	800	2 204
1974	749	**	*	907	2 237
1975	714	**	*	1 159	2 340
1976	593	**	*	1 173	2 983
1977	720	**	*	1 624	2 961
1978	995	**	*	1 691	3 408
1979	1 452	**	*	1 936	4 141
1980	1 839	**	80	2 557	5 309
1981	1 401	**	85	1 934	4 169
1982	1 804	**	103	1 521	4 116
1983	2 482	**	112	896	4 248
1984	2 935	257	203	999	5 603
1985	3 302	579	155	1 443	7 353
1986	2 200	117	47	850	4 550

---

[a] Includes unsuccessful, service, and suspended wells.

[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

[c] Discrepancies are due to rounding.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				**Total**			
Successful			**Total**[a]	**Successful**			**Total**[a]
Oil	**Crude Bitumen**[b]	**Gas**		**Oil**	**Crude Bitumen**	**Gas**	
*	*	*	694	*	*	*	1 696
*	*	*	568	*	*	*	2 021
*	*	*	564	*	*	*	1 958
*	*	*	554	*	*	*	1 730
*	*	*	601	*	*	*	2 574
*	*	*	665	*	*	*	3 077
*	*	*	724	*	*	*	2 278
*	*	*	712	*	*	*	2 554
*	*	*	725	*	*	*	2 694
*	*	*	737	*	*	*	3 163
*	*	*	724	*	*	*	3 109
*	*	*	744	*	*	*	2 776
*	*	*	723	*	*	*	2 989
*	*	*	917	*	*	*	3 152
*	*	*	1 038	*	*	*	3 180
95	*	4	958	1 016	*	84	2 526
208	*	95	996	957	*	314	2 416
244	*	198	1 386	783	*	589	2 746
206	*	164	1 410	670	*	572	2 667
83	*	208	1 295	431	*	656	2 402
126	*	218	1 227	477	*	624	2 446
83	*	280	1 402	719	*	828	3 071
112	*	404	1 650	805	*	1 204	3 854
92	*	410	1 419	841	*	1 318	3 655
87	*	423	1 309	801	*	1 582	3 649
139	*	846	1 892	732	*	2 619	4 875
178	*	1 016	2 288	897	*	2 640	5 250
300	*	1 219	2 178	1 295	*	2 910	6 126
450	*	1 256	2 771	1 902	*	3 192	6 912
494	71	1 550	3 261	2 333	151	4 107	8 570
473	124	1 202	2 810	1 874	209	3 136	6 979
493	27	603	1 920	2 297	130	2 124	6 036
472	11	338	1 528	2 954	123	1 234	5 776
511	19	362	1 846	3 446	479	1 361	7 449
584	96	300	1 975	3 886	829[c]	1 743	9 328
341	39	209	1 286	2 541	203	1 059	5 836

TABLE A-3

In Table A-3, a completion event is counted as a well. Therefore, because some wellbores have more than one completion event, this table does not represent the actual number of wellbores in existence in each cateogry listed.

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

The capable-oil-well count includes a number of shut-in wells that are contained in approved production spacing units and enhanced-recovery schemes. Some pools have been substantially depleted since the production spacing units were established, and many of the wells included would now produce little or no oil if placed back on production. The capable-well count may therefore imply a greater capability than actually exists.

Although the capped wells shown in column 5 have not been completed, many could be capable of production on short notice. The main reason for capping is the limited market for gas but, in some cases, wells may be capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-3 COMPLETED AND CAPPED WELLS
cumulative totals, 1951-1986

Year	1	2	3	4	5
	Oil Wells Completed		Gas Wells Completed		Capped Gas Wells[c]
	Capable[a]	Operated[b]	Capable[a]	Operated[b]	
1951	2 731	2 510	331	185	157
1952	3 661	3 312	362	245	259
1953	4 504	4 000	404	272	393
1954	5 063	4 583	470	314	491
1955	6 135	5 509	489	347	609
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793
1985	27 830	19 957	30 255	24 424	10 957
1986	30 020	20 175	32 619	24 648	11 201

---

[a] Includes wells which had been placed on production and were either operated, suspended, or shut in during December of each year, but excludes events used for injection.

[b] The number of events produced during December of each year.

[c] The number of events drilled and never placed on production and reported by the operator as capped as of 31 December of each year.

TABLE A-4

Table A-4 supplements Table 8-1 and subdivides the annual additions to established reserves of conventional crude oil into new discovery, re-evaluation, and enhanced-recovery categories. The method of subdividing the reserves has varied somewhat over the years; hence, some minor differences in annual additions may result from the change in method.

The established reserves attributed to new discoveries are subject to significant adjustment as the result of delineation drilling and performance in subsequent years. The trend in such adjustments has varied over the years. In the 1950s, adjustments were largely additions, whereas in the 1960s and 1970s, when pinnacle reefs were a popular exploratory target, many adjustments were negative.

The enhanced-recovery programs for crude oil pools lead to positive increments initially, but adjustments may be necessary later when performance proves that the reserves assigned have been over- or under-estimated.

TABLE A-4 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL 1951-1986

millions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Enhanced Recovery	4 Total
1951	15.3	29.2		44.5
1952	14.0	48.5		62.5
1953	24.2	42.4		66.6
1954	1.9	53.7		55.6
1955	9.4	58.8		68.2
1956	3.5	78.5		82.0
1957	10.8	29.1		39.9
1958	1.3	−4.8	4.9	1.4
1959	14.3	37.2	16.0	67.5
1960	0.5	29.9	18.1	48.6
1961	1.7	31.5	24.5	57.5
1962	2.9	21.8	19.9	44.0
1963	14.6	12.6	29.2	56.6
1964	9.5	88.2	250.8	348.5
1965	28.6	42.6	−2.4	68.8
1966	89.1	13.5	38.3	140.8
1967	57.2	15.7	22.2	95.2
1968	62.0	14.8	42.9	119.8
1969	40.5	−44.5	58.5	54.5
1970	8.4	−7.6	36.1	36.7
1971	14.0	8.7	−0.8	22.1
1972	10.8	−5.6	14.8	20.0
1973	5.1	−6.0	10.2	9.2
1974	4.3	3.3	30.8	38.5
1975	1.6	2.1	3.3	7.0
1976	2.5	5.9	−27.0	−18.6
1977	4.8	5.1	9.2	19.1
1978	24.9	−1.9	1.4	24.4
1979	19.2	10.3	4.8	34.3
1980	9.0	5.1	8.6	22.7
1981	15.0	7.2	10.4	32.6
1982	16.8	−16.5	6.6	6.9
1983	21.4	24.8	17.9	64.1
1984	29.1	−12.0	24.1	41.2
1985	32.7	11.2	20.2	64.0[a]
1986	28.6	−13.5	24.0	39.1

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[a] Discrepancies are due to rounding.

TABLE A-5

Table A-5 shows annual changes to established marketable gas reserves. Reserves are continually reviewed and re-evaluated, principally on the basis of new data and performance.

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

TABLE A-5 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS 1951-1986 billions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Total
1951	6.2	55.0	61.2
1952	*	*	87.8
1953	*	*	76.1
1954	*	*	58.8
1955	*	*	59.3
1956	*	*	64.5
1957	*	*	64.9
1958	*	*	110.4
1959	*	*	88.5
1960	18.2	101.7	119.9
1961	9.6	3.7	13.3
1962	8.7	41.0	49.7
1963	3.1	32.7	35.8
1964	7.2	78.7	85.9
1965	11.3	78.4	89.7
1966	2.1	38.6	40.7
1967	24.3	49.6	73.9
1968	15.3	119.3	134.6
1969	18.6	68.9	87.5
1970	7.6	38.7	46.2
1971	4.8	40.6	45.4
1972	12.5	32.8	45.2
1973	7.8	175.6	183.4
1974	8.6	138.4	147.0
1975	0.8	20.0	20.8
1976	6.9	98.7	105.6
1977	6.6	120.9	127.6
1978	24.4	138.9	163.3
1979	16.4	106.8	123.2
1980	30.0	62.5	92.4[a]
1981	28.9	88.1	117.0
1982	10.6	108.1	118.7
1983	16.3	22.7	39.0
1984	9.6	30.9	40.5
1985	11.5	31.1	42.6
1986	9.2	12.6	21.8

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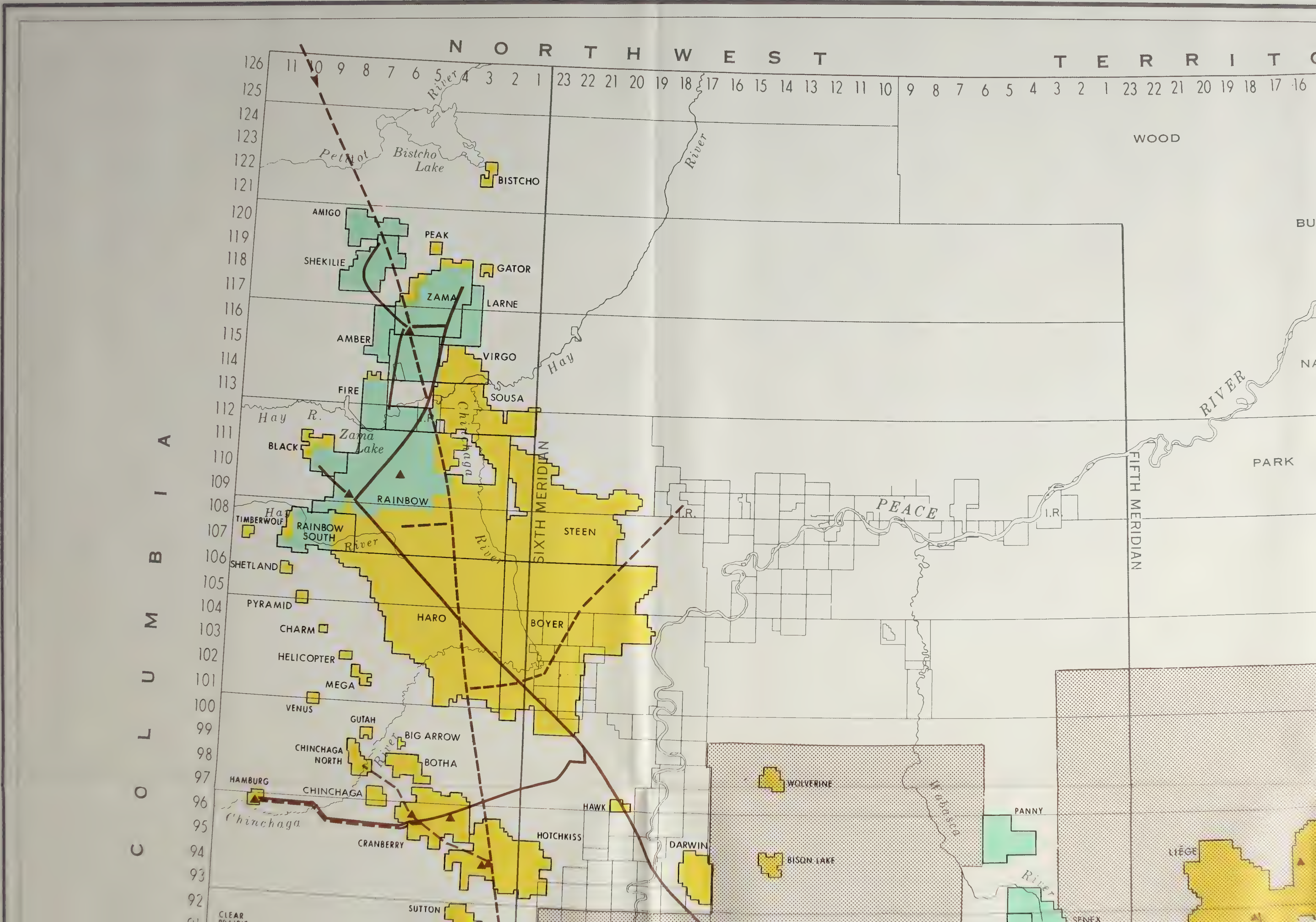
[a] Discrepancies are due to rounding.

* Not available.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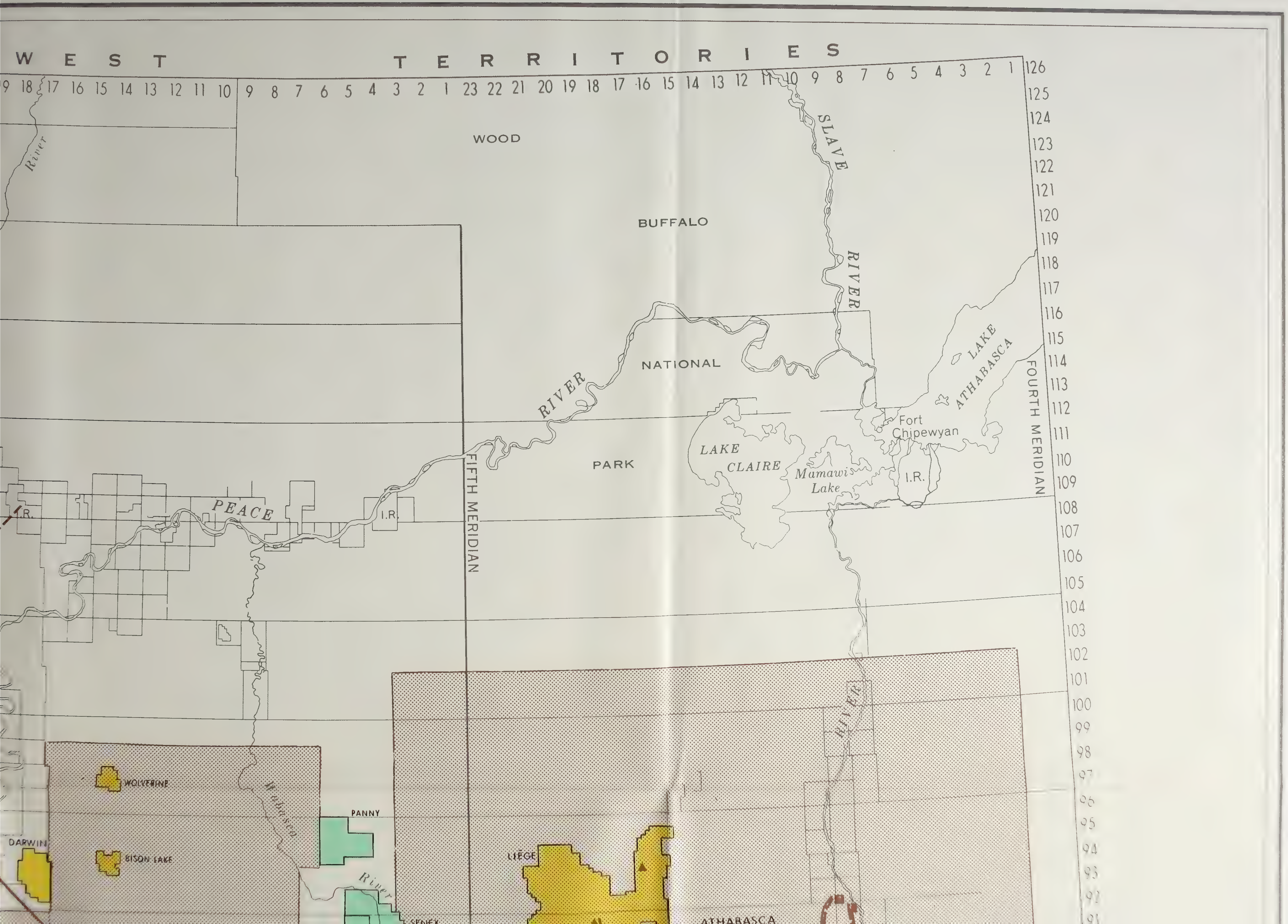
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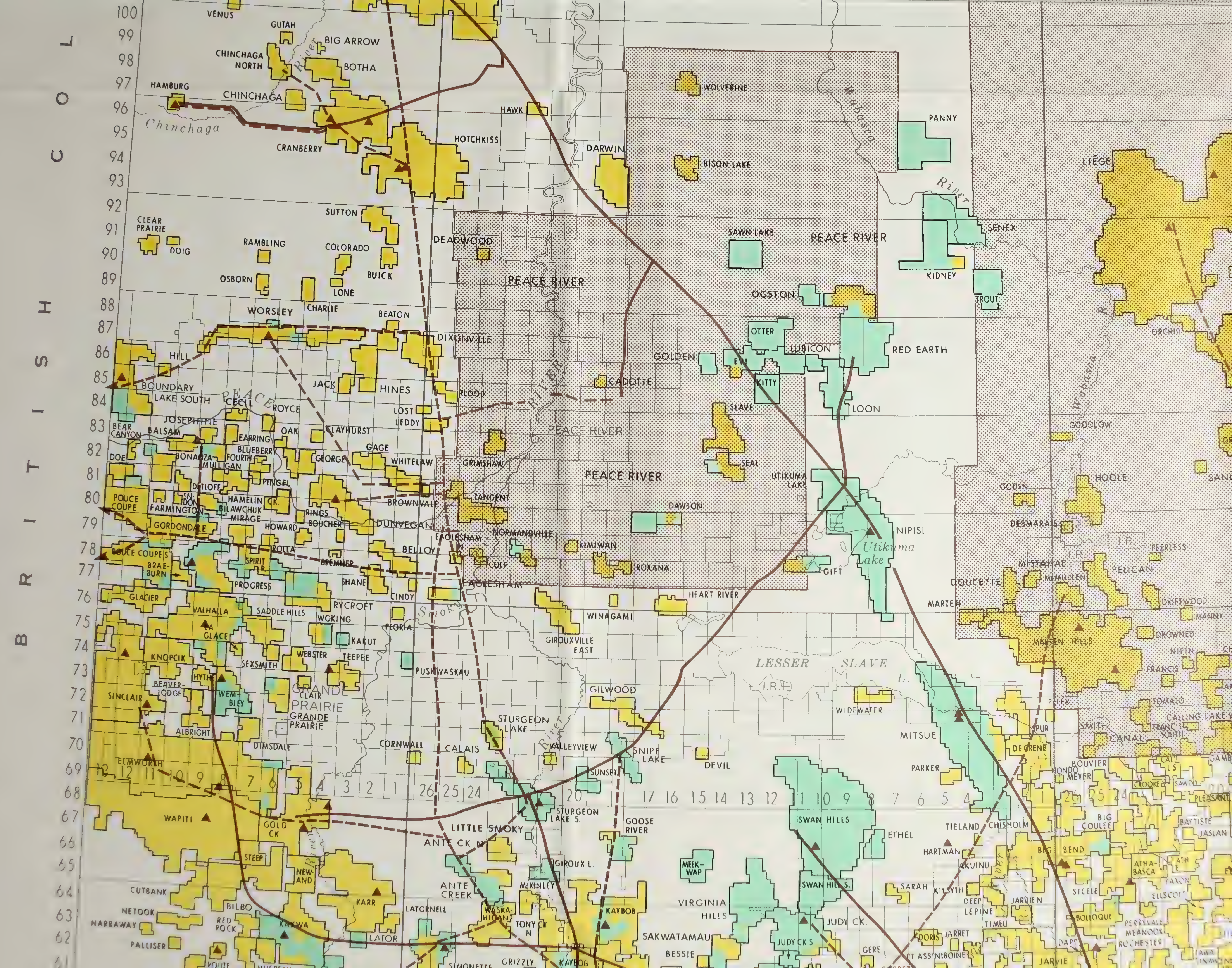
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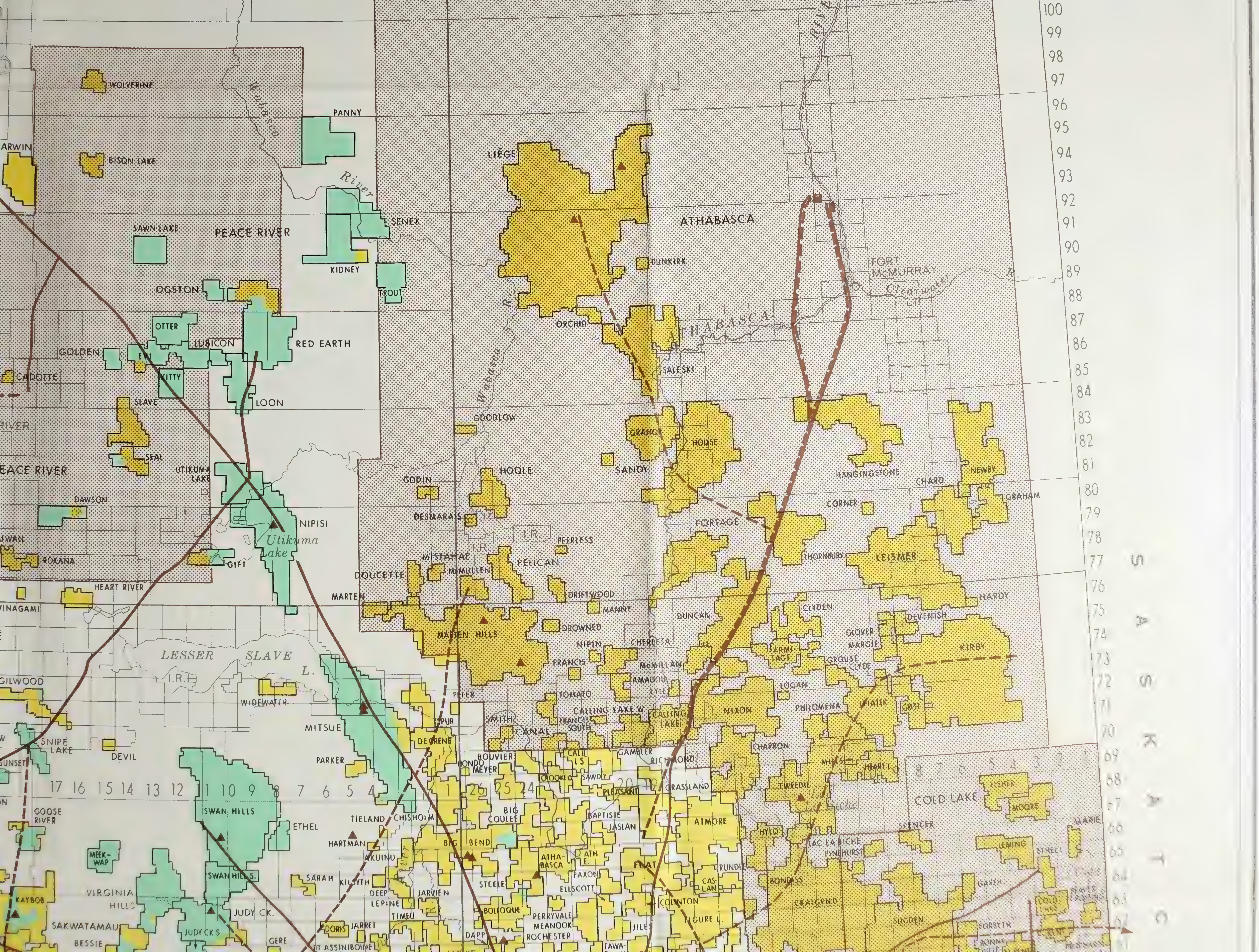
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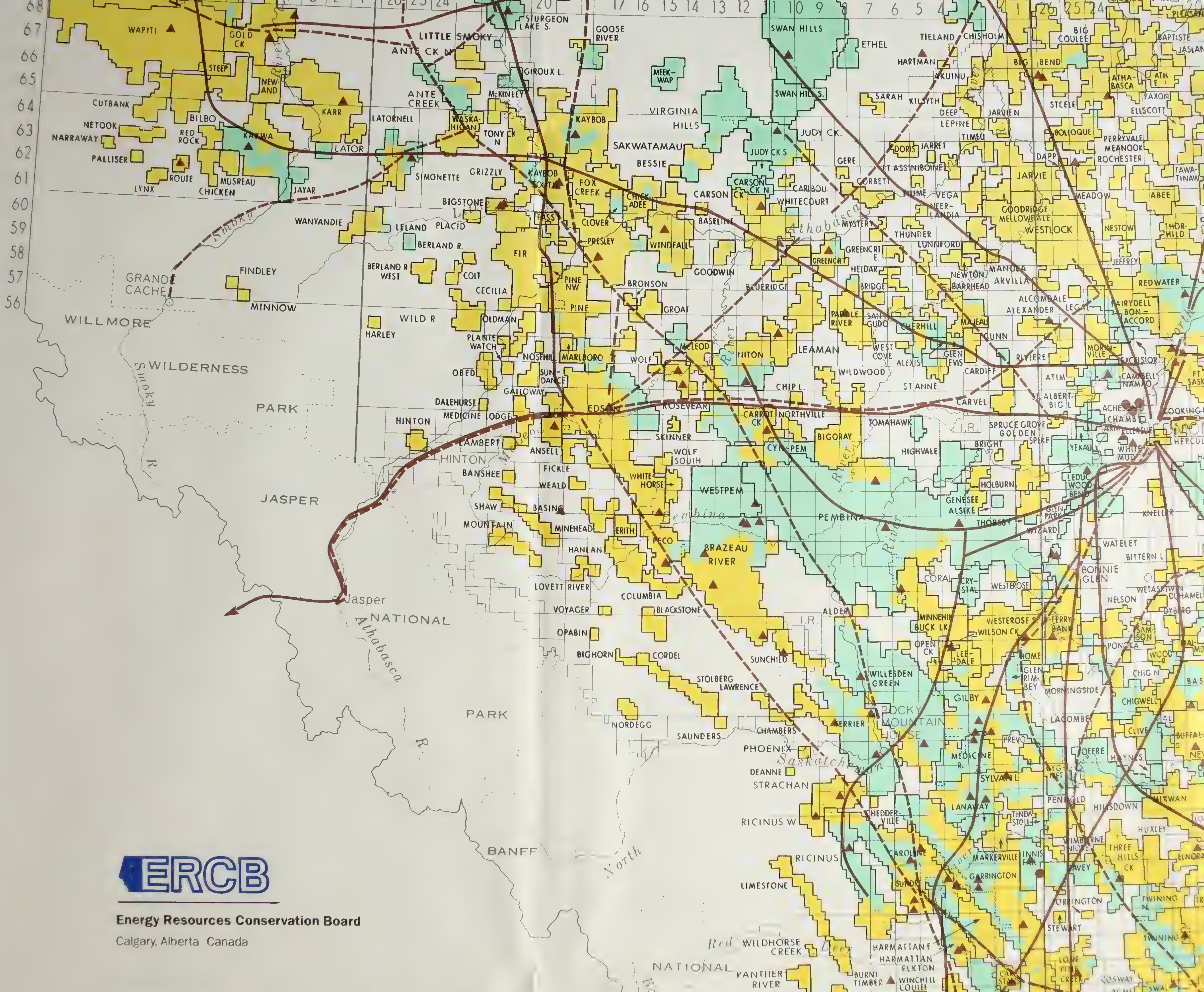
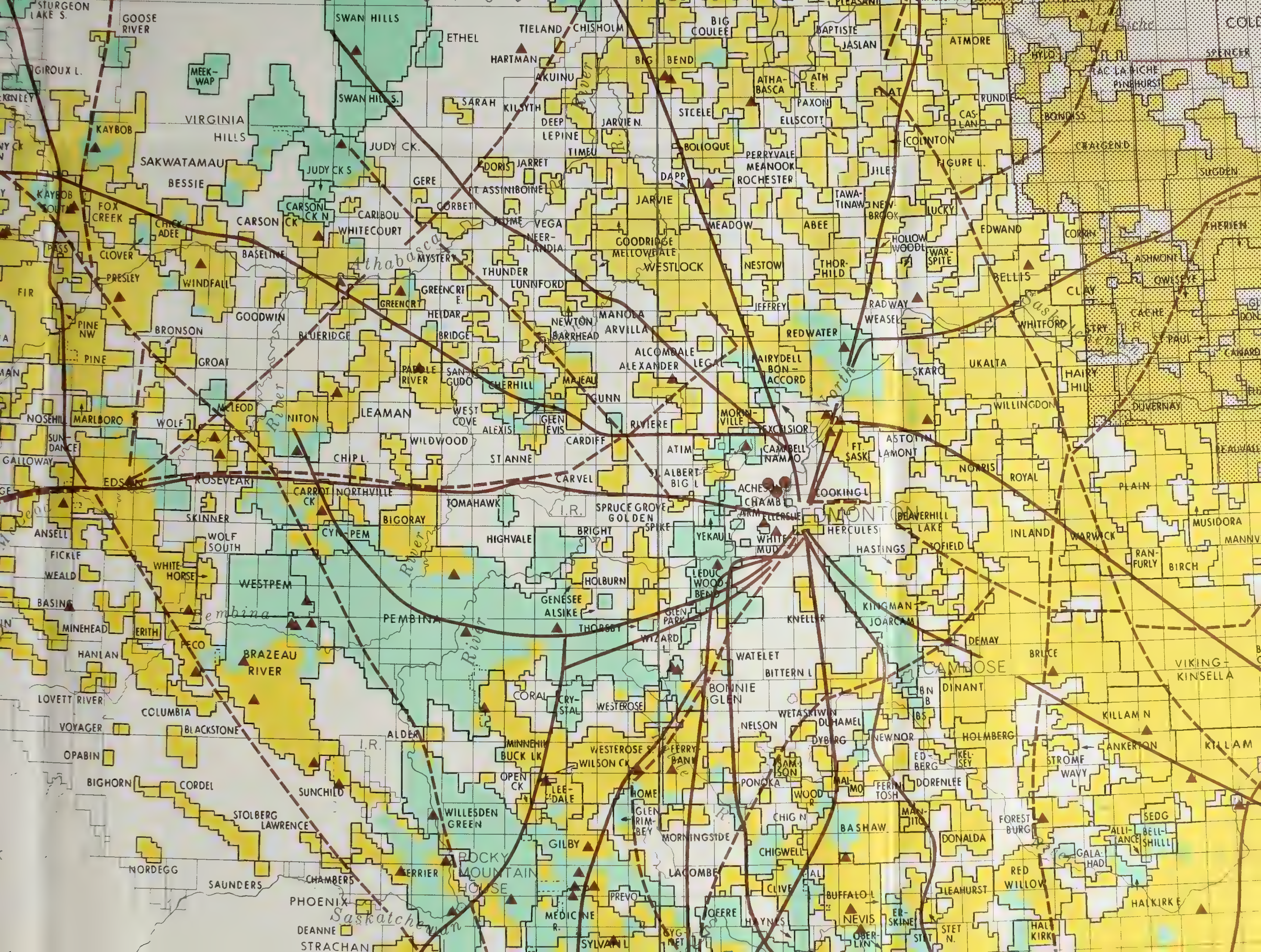


Energy Resources Conservation Board
Calgary, Alberta Canada

DESIGNATED OIL AND GAS FIELDS AND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Energy Resources Conservation Board
Calgary, Alberta Canada

DESIGNATED OIL AND GAS FIELDS AND OIL SAND DEPOSITS,* MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS AS AT 31 DECEMBER 1986 ALBERTA, CANADA

Field – mainly oil ------------ 🟩
– mainly gas ------------ 🟨
Deposit – oil sands ------------ ▨
Pipeline – oil ---------------- —
– gas ---------------- – – –
Oil refinery ---------------- ●
Gas processing plant ---------- ▲
(capacity in excess of 0.5 million cubic metres per day)
Oil sands processing plant ------ ■
Boundaries of national parks and forestry reserves ---------- ------

*The Board's estimates of the reserves of the pools in the fields and deposits are published in the ERCB 87–18 report

Note: Certain information has been deleted in congested areas

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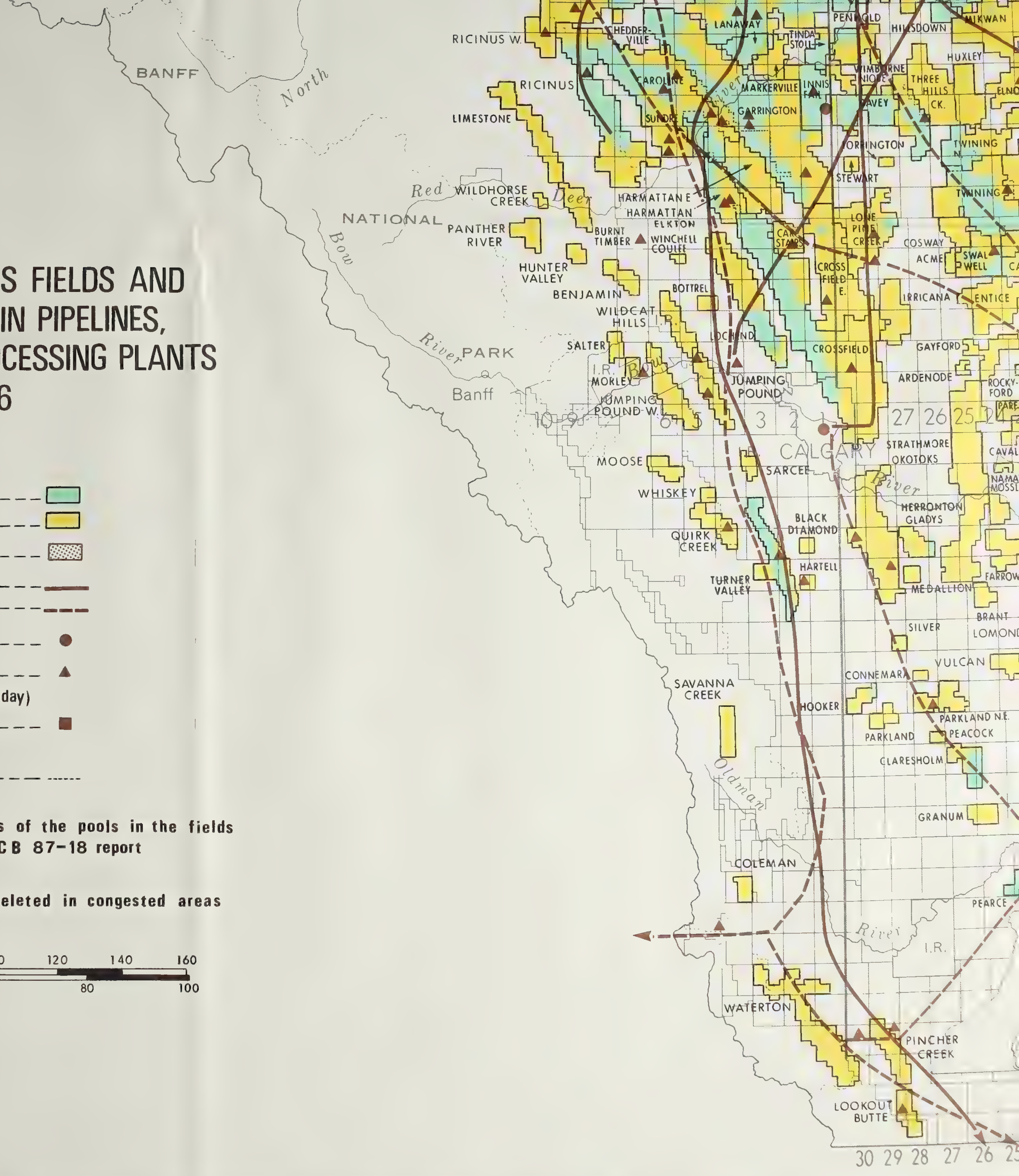

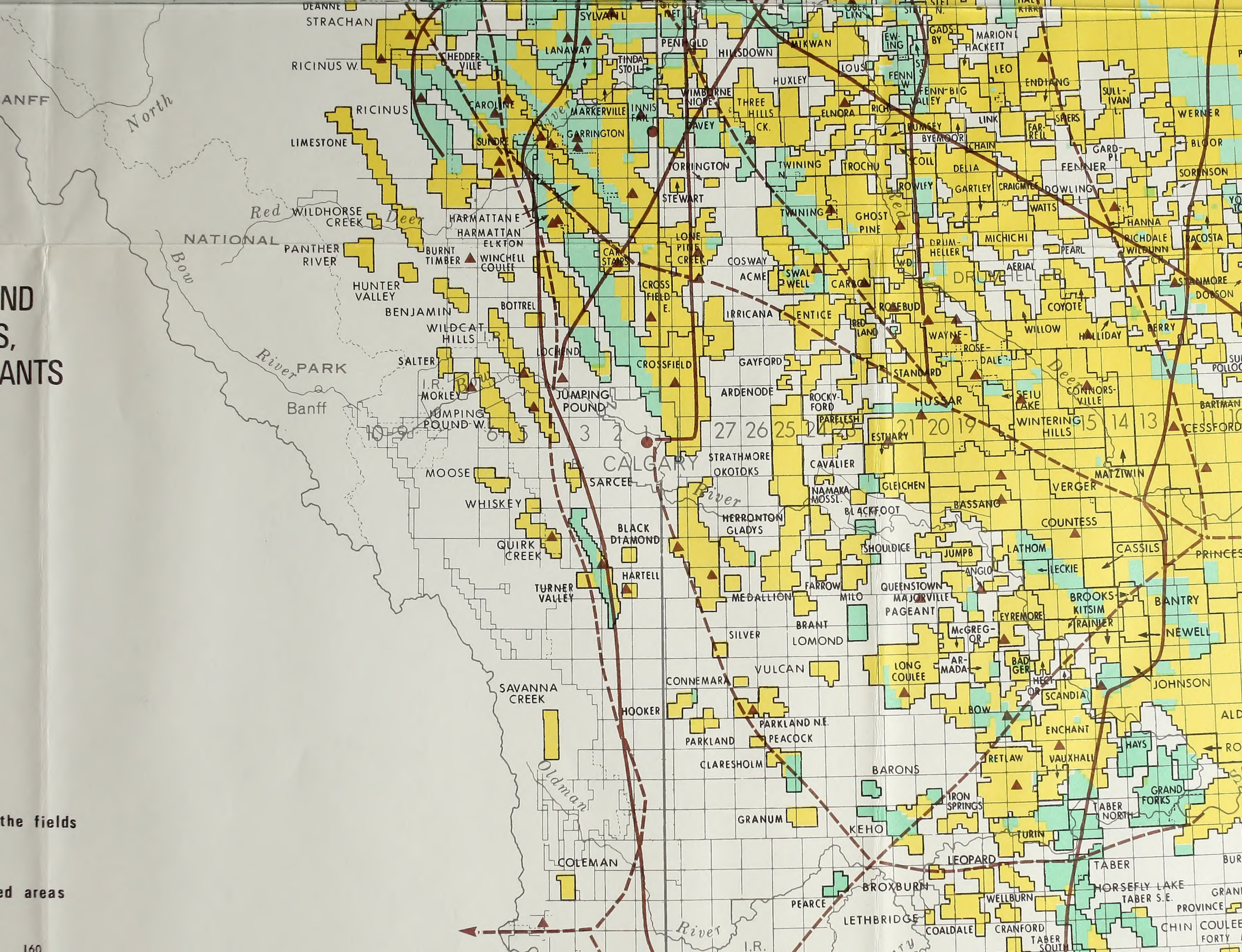

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HUNTER VALLEY
BENJAMIN
WILDCAT HILLS
SALTER
I.R. MORLEY
JUMPING POUND-W.
MOOSE
WHISKEY
QUIRK CREEK
TURNER VALLEY
SAVANNA CREEK
COLEMAN
HEDDERVILLE
CAROLINE
SUNDRE
SYLVAN L.
LANAWAY
TINDASTOLL
MARKERVILLE
INNISFAIL
GARRINGTON
HARMATTAN E.
HARMATTAN ELKTON
BURNT TIMBER
WINCHELL COULEE
BOTTREL
LOCHEND
JUMPING POUND
SARCEE
BLACK DIAMOND
HARTELL
HOOKER
PENHOLD
HILLSDOWN
WIMBORNE
NIOBE
THREE HILLS CK.
DAVEY
TORRINGTON
STEWART
CARSTAIRS
LONE PINE CREEK
CROSSFIELD E.
CROSSFIELD
IRRICANA
GAYFORD
ARDENODE
COSWAY
ACME
STRATHMORE
OKOTOKS
HERRONTON
GLADYS
MEDALLION
SILVER
VULCAN
CONNEMARA
PARKLAND N.E.
PARKLAND
PEACOCK
CLARESHOLM
GRANUM
MIKWAN
HUXLEY
LOUSANA
ELNORA
TWINING N.
TWINING
TROCHU
GHOST PINE
SWALWELL
CARBON
ENTICE
RED LAND
ROSEBUD
ROCKYFORD
PARFLESH
ESTUARY
CAVALIER
GLEICHEN
NAMAKA
MOSSL.
BLACKFOOT
SHOULDICE
FARROW
MILO
BRANT
LOMOND
BARONS
KEHO
IRON SPRINGS
BROXBURN
PEARCE
LETHBRIDGE
COALDALE
CRANFORD
WELLBURN
LEOPARD
TURIN
EWING
FENN W.
FENN-BIG VALLEY
GADSBY
MARION L.
HACKETT
LEO
ENDIANG
SULLIVAN L.
RICH
RUMSEY
BYEMOOR
CHAIN
LINK
FARRELL
SPIERS
COLL
DELIA
ROWLEY
GARTLEY
CRAIGMYLE
DOWLING L.
WATTS
DRUMHELLER
MICHICHI
PEARL
AERIAL
WD
COYOTE
WILLOW
HALLIDAY
BERRY
WAYNE-ROSEDALE
STANDARD
HUSSAR
SEIU LAKE
WINTERING HILLS
CONNORSVILLE
MATZIWIN
VERGER
BASSANO
COUNTESS
JUMPB
ANGLO
LATHOM
LECKIE
CASSILS
QUEENSTOWN
MAJORVILLE
PAGEANT
EYREMORE
BROOKS
KITSIM
RAINIER
McGREGOR
ARMADA
LONG COULEE
BADGER
HECTOR
SCANDIA
L. BOW
ENCHANT
RETLAW
VAUXHALL
HAYS
GRAND FORKS
TABER NORTH
TABER
HORSEFLY LAKE
TABER S.E.
TABER SOUTH
BANTRY
NEWELL
JOHNSON
WERNER
BLOOR
GARDEN PLAINS
FENNER
SORENSON
HANNA
RICHDALE
WILDUNN
ACOSTA
STANMORE
DOBSON
BARTMAN
CESSFORD
PRINCESS
PROVINCE
CHIN COULEE
FORTY
I.R.